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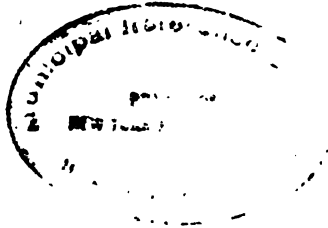


ANNUAL REPORT OF THE CHIEF OF ENGINEERS, 1921

EXTRACT

*US Board of engineers
for rivers and harbors*
**COMMERCIAL STATISTICS,
FOR THE CALENDAR YEAR 1920**

COMPILED BY
THE STATISTICAL DIVISION
THE BOARD OF ENGINEERS FOR RIVERS AND HARBORS



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INDEX TO CONTENTS.

	Page.
Introduction.....	7
Statement of work in progress by the Statistical Division of the Board of Engineers for Rivers and Harbors in the interests of commerce and the merchant marine.....	9
Drafts of vessels passing through the Panama Canal during the calendar year 1920.....	17
Rail rates on bituminous coal.....	22
Study of commerce through Gulf ports.....	32
Water-borne commerce of the United States during the calendar year 1920....	52
Table No. 1. Commerce of ports, by grand divisions.....	54
Table No. 2. Commerce on the rivers, canals, and connecting channels, by grand divisions.....	55
Table No. 3. Summary showing total water-borne commerce, by grand divisions, eliminating all known duplications.....	55
Table No. 4. Commerce of Atlantic, Gulf, and Pacific ports.....	56
Table No. 5. Commerce of the ports on the Great Lakes.....	62
Table No. 6. Ferry traffic and cargoes in transit at Atlantic, Gulf, Pacific, and Lake ports.....	65
Table No. 7. Commerce on rivers, canals, and connecting channels.....	67
Table No. 8. Ferry traffic and cargoes in transit on rivers, canals, and connecting channels.....	78
Table No. 9. Commerce of ports, segregated by classes of commodities and grand divisions.....	79
Table No. 10. Commerce on rivers, canals, and connecting channels, segregated by classes of commodities and grand divisions.....	80
Table No. 11. Commerce of ports, separated into bulk and package.....	81
Table No. 12. Passengers carried by water.....	82
Tables No. 13 to 25, inclusive. Receipts and shipments of principal commodities, 1919 and 1920.....	83
Comparative statements of commerce for preceding years and detailed commerce for the calendar year 1920.....	92

INTRODUCTION.

In consequence of the increased interest in water-borne commerce and the great demand for information in relation thereto, it was decided last year to publish in a separate volume of the annual report the commercial statistics which have heretofore been printed with reports of the district engineers in the annual report of the Chief of Engineers. The present compilation is the second edition of commercial statistics and covers the calendar year 1920. The separate publication of this information will not only afford greater convenience to the reader, but will secure increased economy in the printing and distribution of the report and conserve the supply of those volumes devoted to other subjects.

Statistics heretofore published have been confined to localities under improvement by the United States. In the present volume the information has been extended to include many other localities. The data have been compiled under a uniform plan which permits the preparation of summaries by geographical divisions, commodities, and classes. Summaries have also been prepared showing the total foreign and domestic traffic and the tonnage and value of the water-borne traffic of the United States, eliminating all known duplications. In addition, tables have been prepared showing the tonnage of important commodities carried by water during the calendar year 1920.

It is the desire of the Chief of Engineers to make this publication of increasing usefulness and interest, and with this object in view the scope of the volume has been extended to include information of value in the solution of port and transportation problems. The present volume includes a study of the drafts of vessels passing through the Panama Canal during the calendar year 1920, a compilation showing the commerce of Gulf ports, and data relative to the cost of transportation of coal by rail.

STATEMENT OF WORK IN PROGRESS BY THE STATISTICAL DIVISION OF THE BOARD OF ENGINEERS FOR RIVERS AND HARBORS, IN THE INTERESTS OF COMMERCE AND THE MERCHANT MARINE.

In the Annual Report of the Board of Engineers for Rivers and Harbors for 1920 a brief statement was included relative to the statistical work and economic investigations assigned to the board by the Chief of Engineers. The annual report of the board for the fiscal year 1921 describes the operations in detail, and in view of the great interest manifested by the public in the work it is deemed advisable to include certain information thereon in this volume.

In order to understand the scope and purposes of the work in progress by the statistical division, it is necessary to examine the laws recently enacted by Congress authorizing certain of these duties, as follows:

Section 500 of the transportation act.

It is hereby declared to be the policy of Congress to promote, encourage, and develop water transportation, service, and facilities in connection with the commerce of the United States, and to foster and preserve in full vigor both rail and water transportation.

It shall be the duty of the Secretary of War, with the object of promoting, encouraging, and developing inland waterway transportation facilities in connection with the commerce of the United States, to investigate the appropriate types of boats suitable for different classes of such waterways; to investigate the subject of water terminals, both for inland waterway traffic and for through traffic by water and rail, including the necessary docks, warehouses, apparatus, equipment, and appliances in connection therewith, and also railroad spurs and switches connecting with such terminals, with a view to devising the types most appropriate for different locations, and for the more expeditious and economical transfer or interchange of passengers or property between carriers by water and carriers by rail; to advise with communities, cities, and towns regarding the appropriate location of such terminals, and to cooperate with them in the preparation of plans for suitable terminal facilities; to investigate the existing status of water transportation upon the different inland waterways of the country, with a view to determining whether such waterways are being utilized to the extent of their capacity, and to what extent they are meeting the demands of traffic, and whether the water carriers utilizing such waterways are interchanging traffic with the railroads; and to investigate any other matter that may tend to promote and encourage inland water transportation. It shall also be the province and duty of the Secretary of War to compile, publish, and distribute, from time to time, such useful statistics, data, and information concerning transportation on inland waterways as he may deem to be of value to the commercial interests of the country.

The words "inland waterway" as used in this section shall be construed to include the Great Lakes.

Section 8 of the merchant marine act authorizes the Shipping Board, in cooperation with the Secretary of War, to make somewhat similar investigations with the object of promoting, encouraging, and developing ports and transportation facilities in connection with water commerce over which it has jurisdiction. This item is as follows:

That it shall be the duty of the board, in cooperation with the Secretary of War, with the object of promoting, encouraging, and developing ports and transportation facilities in connection with water commerce over which it has jurisdiction, to investi-

gate territorial regions and zones tributary to such ports, taking into consideration the economies of transportation by rail, water, and highway, and the natural direction of the flow of commerce; to investigate the causes of the congestion of commerce at ports and the remedies applicable thereto; to investigate the subject of water terminals, including the necessary docks, warehouses, apparatus, equipment, and appliances in connection therewith, with a view to devising and suggesting the types most appropriate for different locations and for the most expeditious and economical transfer or interchange of passengers or property between carriers by water and carriers by rail; to advise with communities regarding the appropriate location and plan of construction of wharves, piers, and water terminals; to investigate the practicability and advantages of harbor, river, and port improvements in connection with foreign and coast-wise trade; and to investigate any other matter that may tend to promote and encourage the use by vessels of ports adequate to care for the freight which would naturally pass through such ports: *Provided*, That if after such investigation the board shall be of the opinion that rates, charges, rules, or regulations of common carriers by rail subject to the jurisdiction of the Interstate Commerce Commission are detrimental to the declared object of this section, or that new rates, charges, rules, or regulations, new or additional port terminal facilities, or affirmative action on the part of such common carriers by rail is necessary to promote the objects of this section the board may submit its findings to the Interstate Commerce Commission for such action as such commission may consider proper under existing law.

Since the board was already equipped with qualified personnel and was actually engaged in making the investigations ordered by the two sections, it was agreed that the work should be done by the board in the joint interests of the War Department and the Shipping Board.

Commercial statistics.—It has been apparent for some time that the statistics of commerce at our ports and on our waterways prepared by this department and the statistics of imports and exports prepared by the Department of Commerce do not afford the information needed for any fruitful study of our transportation and port problems. The study of traffic in relation to the vessels which carry it is moreover important in the determination of channel dimensions and the capacity and character of terminal facilities, but such coordination of cargo and vessel data has not heretofore been made available by any agency. The statistics published in the annual reports of the Chief of Engineers were originally intended to furnish Congress and the department with information found necessary for a somewhat limited use, but it has been evident for some time that broader information is needed by Congress and by this department in determining the advisability of undertaking proposed river and harbor improvements, and particularly so if a comprehensive policy for such public work is ever to be formulated. In connection with the new duties devolving upon the department under the Transportation Act, 1920, and the merchant marine act, complete statistics of traffic are particularly essential. The necessity for uniformity in the presentation of data is, of course, obvious, but differences of all sorts have existed in the past due to lack of proper control or coordination.

As the first important step, the Board of Engineers for Rivers and Harbors has recommended, and the Chief of Engineers has approved, the publication of statistics of water-borne commerce as a separate volume of his annual report. The first edition of this volume accompanied the report for 1920, but there was insufficient time prior to its publication to put into operation the proposed plan for the uniform presentation of data. The present volume of commercial statistics, however, has been prepared under the new plan. This enables comparison to be made between the commerce of various localities, and

permits the preparation of summaries by classes, commodities, and geographical divisions. Commodities have been arranged under 10 group heads conforming to the new import and export classifications of the Department of Commerce, and when these classifications for foreign commerce have been put into effect by that department an important step will have been taken toward securing comparability in the commercial statistics of the two departments. Particular effort has been made to secure accurate information relative to the volume or tonnage of traffic. Values rarely afford a correct view of the extent and growth of traffic and are practically worthless for the consideration of the problems devolving upon the board, such as the appropriate dimensions of channels and the details of needed terminals.

The statistics heretofore published by this department cover only localities improved by the United States, and it is impossible to determine from them the total water-borne commerce of the country. The present volume on commercial statistics has been extended to include many important localities not under improvement by the Government.

In order further to improve the statistics of water-borne commerce, the Chief of Engineers has approved a plan for obtaining statistics directly from the carriers. Statistics of commerce were formerly obtained by district engineers from many sources and were of varying reliability and completeness, and it was impossible to determine the amount of traffic carried in vessels of different sizes and types, so that important information was lacking for determining the need for increased channel facilities. Under the new plan, it would be practicable to determine for any locality the amount of freight carried in vessels of various sizes and drafts, the origin of receipts, the destination of shipments, and to analyze the traffic in relation to the carriers and the physical facilities at the port.

The only dependable method of obtaining statistics of water-borne commerce is to secure them directly from the carriers on uniform blanks. To place this plan in operation will involve some cost, and it has been impracticable to start the work because of the lack of funds. It is estimated that the total annual cost of the work of collecting, compiling, and publishing the statistics of water-borne commerce under the proposed plan will be \$200,000. To determine the net increase of cost, there should be deducted from this sum the amounts now spent for the collection of statistics in 50 Engineer districts. Under present conditions employees are not usually engaged exclusively upon this work, and it is therefore difficult to give a statement of the exact cost, but it is estimated at \$100,000 annually. There would, therefore, be an increased expenditure of about \$100,000 a year to obtain and publish statistics of the scope and reliability most useful in the solution of our waterway, port, and shipping problems. This amount is a small premium to pay for insuring a wiser discrimination in the selection of projects for river and harbor improvement and in deciding on their details, and it is therefore urged that Congress provide a special appropriation for this purpose.

In planning port developments it is necessary to have complete and reliable information regarding the extent, character, origin, and destination of the commerce which may be expected to utilize the port and the sizes and types of vessels to be accommodated. Some of the plans submitted to the board during the past year by local

authorities show that their preparation was based upon inadequate information regarding these essentials. In view of the necessity of meeting the competition of foreign ports and foreign trade rivals, it is important that our future port developments be so planned as to secure the greatest facility and economy in the movement of freight and the most expeditious turnaround of vessels. The procurement and compilation of statistics under the new plans will provide information of the character needed in the economic investigations preliminary to actual port planning, and will in this respect be of much value to port authorities and to the people of the country as a whole. The relation of these statistics to the important question of securing properly balanced cargoes for vessels so as to afford better opportunities for upbuilding the American merchant marine alone warrants the comparatively small outlay involved.

Traffic movements.—In carrying out the duties specified in the transportation act and the merchant marine act with the object of developing ports and water transportation, it is necessary to study the movement of all the major commodities entering into our import and export trade. Such a study in conjunction with a study of the cost of transportation, terminal charges, and shipping services will show whether commodities are now moving by the most economical routes from our important production and concentration centers to foreign markets and from foreign points to areas of consumption and centers of distribution in the United States. Other things being equal, steps should be taken to encourage shipments by the more economical outlets. This does not necessarily mean that traffic must always go by the shortest route, for frequently there are conditions connected with the rail and ocean movements which render longer hauls permissible. Thus, the goods of an important manufacturing district are often obliged to find their outlet through some port more or less remote from the point of origin. The products of any important industry have ordinarily a wide distribution in foreign trade and need a port having a multiplicity of shipping services. The opportunity of obtaining carload rates by sending a number of consignments through one port as compared with the necessity of paying less than carload rates in order to distribute these consignments through several ports must likewise be considered. It is therefore not sufficient to consider the cost of moving goods to seaboard alone, nor even the total cost of placing the goods on board ship, for frequently the route is determined by other considerations. For example, import movements must be considered in connection with exports to determine the opportunities for securing return cargoes.

Under present conditions there are an insufficient number of ports able to offer the combination of services and facilities essential to the handling of general cargo. Certain classes of goods are now shipped by rail long distances to New York because at this point there is the certainty of obtaining a ship to the destination of the goods. This emphasizes the need for constructive action with the view to establishing shipping services at other ports under conditions affording profitable operation of vessels. Our aim should be to have each of our important ports serve the territory logically tributary to it, but this can usually be brought about only if each port affords both bulk and package freight in proper proportion for economical loading of ships and offers opportunity for inbound as well as outbound move-

ments. To insure such distribution of traffic it may be necessary to establish rates and facilities which will attract a reasonable proportion of through import and export freight to each of the ports deemed properly situated to compete for the business. The larger share of the heavy commodities entering into our export trade originates in the interior of the country and it is significant that a large part of our heavy imports finds its destination in similar territory. In the effort, therefore, to route traffic through the nearest important port, we can not lose sight of the fact that no port can exist entirely upon local traffic and that distance must be disregarded to some extent in the routing of traffic to and from the surplus-producing sections of the interior. The ultimate goal is, of course, to reduce congestion and expense by developing an adequate number of first-class ports.

A complete study of traffic movements is impracticable with the data now available as such a study would involve detailed examination of waybills, an endless task. The study is therefore being confined to the more important movements to points of manufacture, and to those to and from the seaboard, and for the present will include only the more important tonnage producing commodities, as follows:

Imports:	Exports—Continued.
Mineral oil.	Grain and flour—Continued.
Sugar, raw.	Oats.
Bananas.	Rye.
Iron ore.	Barley.
Manganese.	Corn.
Coffee, green.	Iron and steel—
Molasses.	Iron ore.
Copper.	Pig iron.
Pyrites and sulphur.	Billets, ingots, etc.
Fibers and textile grasses.	Lumber.
Exports:	Cotton, unmanufactured.
Coal and coke.	Fertilizers.
Mineral oil.	Cement, hydraulic.
Grain and flour—	Tobacco, unmanufactured.
Wheat.	Copper, pigs, ingots, bars, etc.
Wheat flour.	

Studies of coal, mineral oil, grain, and sulphur are now in progress.

Reports on ports of the United States.—The approved plan of the operations of the statistical division includes the preparation and publication of reports on the facilities of the ports of the United States. These reports will contain all information needed by a vessel desiring to call at the port and will help the shipper to compare the advantages of one port or route with another for the particular business in which he is interested. They will include a complete analysis of the existing traffic with the origin and destination of the commodities and the area served by the port, and will prove useful in determining the feasibility of establishing and maintaining vessel services under profitable operating conditions. The first report is in relation to Portland, Me., and is nearly ready for distribution. The information presented in the report lays bare the traffic situation and the conditions which have determined the extent and character of the trade at Portland, shows the advantages and disadvantages of the port for traffic of various kinds to and from various points, and indicates the remedies which must be applied in order to qualify the port to

function to best advantage in the interest of the territory which is logically tributary to it.

A report on the port of Boston, Mass., is nearing completion, and data compiled in the office of the board in reference to Philadelphia, Pa., Mobile, Ala., Portland, Oreg., Astoria, Oreg., Seattle, Wash., and Vancouver, Wash., have been sent to district engineers for verification. The statistical data in the office of the board have been practically completed for 20 additional ports. The following is a tentative list of ports to be covered in the series on the Atlantic, Gulf, and Pacific coasts:

Portland, Me.
 Boston, Mass.
 Philadelphia and Chester, Pa., Camden, N. J., and Wilmington, Del.
 Baltimore, Md.
 Mobile, Ala., and Pensacola, Fla.
 New Orleans, La.
 Seattle and Everett, Wash., and Alaskan ports.
 Portland and Astoria, Oreg., and Vancouver, Wash.
 Los Angeles and San Diego, Calif.
 Tacoma and Olympia, Wash.
 San Francisco, Oakland, Berkeley, and Richmond, Calif.
 Norfolk, Portsmouth, and Newport News, Va.
 Galveston, Tex.
 Port Arthur, Sabine, Beaumont, and Orange, Tex.
 Wilmington, N. C., Charleston and Georgetown, S. C.
 Savannah and Brunswick, Ga., and Jacksonville and Fernandina, Fla.
 New Bedford, Fairhaven and Fall River, Mass., Newport and Providence, R. I.
 New London, New Haven, Bridgeport, and Norwalk, Conn.
 Honolulu, Kahului, Hilo, and Nawiliwili, Hawaii.
 San Juan, P. R.
 Miami, Key West, Tampa, and Charlotte, Fla.
 Pascagoula and Gulfport, Miss.
 Houston, Texas City, and Port Bolivar, Tex.
 Portsmouth, N. H., and Newburyport, Mass.
 Gloucester, Beverly, Salem and Lynn, Mass.
 Sacramento and Stockton, Calif.
 Freeport and Port Aransas, Tex.
 New York:
 General.
 Manhattan and the Bronx.
 Brooklyn, Jamaica Bay, and Long Island City.
 Jersey City, Hoboken, and Newark.
 Staten Island.

In seeking to ascertain the conditions which are restricting the free flow of our foreign commerce, the study properly begins with the ports, for here are to be found the chief obstacles to the continuous movement of traffic. The port is one link in a transportation system; generally it is the weakest link, and that which first fails in times of emergency. Congestion on rail lines is usually an unavoidable extension of congestion at ports. The burden placed upon our commerce by such congestion justifies the Government in exercising its utmost authority and influence to remedy the situation.

The study of our ports is also bringing to light conditions which are preventing the commensurate use of navigation facilities provided by the United States and making it difficult for vessels to operate successfully. In some cases it is found that the use of a well equipped port is retarded by excessive rates and charges to and from the port. In other cases the business of the port is restricted through the existence of physical conditions disadvantageous to vessels, while at still other ports the lack of terminal facilities or the imposition of exces-

sive local charges for incidental services results in the diversion of commerce. With the completion of the port series and the study of traffic movements now in progress, the United States will for the first time be in possession of information from which a clear picture can be drawn of our national transportation system, and constructive action taken to secure economy in the movement of our commerce which is alike indispensable to the shipper, the consumer, and the carriers. As the work proceeds and serious obstacles to the proper flow of traffic are uncovered, it is proposed to recommend such action toward their removal as may be practicable under the authority vested either in the Shipping Board or in this department.

Reports on foreign ports.—The approved program of cooperation with the Shipping Board includes the preparation by the Shipping Board of data relative to the more important foreign ports. Some information relative to these ports is now in hand, but the agreement now in force leaves this task to be undertaken and completed by the Shipping Board itself.

Status of water transportation.—Section 500 of the transportation act authorizes this department "to investigate the existing status of water transportation upon the different inland waterways of the country with a view to determining whether such waterways are being utilized to the extent of their capacity and to what extent they are meeting the demands of commerce, and whether the water carriers utilizing such waterways are interchanging traffic with the railroads." The results of the investigation are now being compiled with a view to the publication of a comprehensive report on the status of water transportation in the United States.

Study of vessels.—In connection with the board's consideration of reports on preliminary examinations and surveys, need has been felt for more extensive and reliable data relative to the kinds, dimensions, and drafts of vessels using the harbors and waterways of the country. In recent years there has been quite an insistent demand for increased depth at harbors upon the plea that existing depths prevented the use of such harbors by modern freight vessels. The board has therefore undertaken a study of this general question and proposes to publish from time to time in the annual volume on commercial statistics such useful data as it may compile. During the last year a study was made of the drafts of vessels using the Panama Canal during the calendar year 1920. Since this canal has sufficient depth for the accommodation of the largest vessels and is a gateway for traffic between world ports of the largest capacity, the results of the study are believed to present a fairly correct view of the drafts of vessels which carry the world's commerce. The data derived from this study will be found in this volume.

Investigation of terminal charges at South Atlantic and Gulf ports.—Representations having been made to the board that railroad monopoly of terminal business at South Atlantic and Gulf ports was rendering it impracticable for private and municipal terminals to operate profitably and was therefore retarding the terminal development necessary for the prompt and economical handling of traffic, the board instituted an investigation of terminal charges and practices at these ports. The results of the investigation show that the average charges for wharfage and handling at private and public terminals at the ports considered are approximately twice and

charges for storage approximately three times those in effect at railroad terminals. The railroads making the road hauls allow the private terminals only the rates which apply at their own terminals, and since these rates are not profitable the private terminals do not seek through business, but confine their operations largely to local freight. This situation being deemed injurious to the free flow of commerce, and restrictive of port development, the board prepared a report which was forwarded by the Chief of Engineers to the Secretary of War, and thence to the Interstate Commerce Commission. The report was indorsed by the chairman of the Shipping Board, who likewise addressed the Interstate Commerce Commission, asking that appropriate remedies be applied. In response to the request of the two departments, the commission has instituted an investigation of the matter.

Investigation of terminal charges at Pacific ports.—As a result of the distribution of copies of the board's report on terminal charges at South Atlantic and Gulf ports to port authorities and others interested, the board has received letters from a number of port officials commending the findings of the report and the action taken. Upon request of several of the Pacific coast port commissions, the board, by direction of the Chief of Engineers, has undertaken an investigation of terminal charges and practices at Pacific coast ports. This investigation is now in progress.

Depths at foreign ports.—In studying the needs of vessels at American ports it is appropriate to consider the depths available at foreign ports with which we have commercial relations. The board is therefore preparing a compilation showing depths available in the entrances and basins at foreign ports, with tidal ranges, etc. The Department of Commerce has been requested to obtain through its commercial agents abroad certain data required for the completion of this compilation.

Transportation costs.—Consideration of the utility of water transportation in many cases involves a study of the cost of moving traffic by rail as well as water. The interests of the people demand that the utmost economy be secured in transportation, and while it is recognized that water transportation is inherently cheaper than rail, it frequently involves transfers and inconvenience which offset its natural advantages. To afford a basis for comparing the cost to the shipper of moving coal by water and by rail, a study has been made of rail rates on bituminous coal from important districts east of the Mississippi River to customary shipping points, and the results of this study are published in this volume. In addition, the board has made a number of studies of transportation costs in response to specific inquiries which were referred to this office for attention.

Information file.—In considering the problems necessarily arising in connection with the duties imposed upon the statistical division, the need for extensive information in relation to commerce and transportation is evident. To meet this need, the board has established an information file, which it is hoped to make the repository of a vast store of classified information relative to the many subjects directly and indirectly involved.

All of the operations of the statistical division as described above are in the charge of Mr. A. H. Ritter, chief statistician, who personally prepares the reports of the board on these matters.

STUDY OF THE DRAFTS OF VESSELS PASSING THROUGH THE PANAMA CANAL DURING THE CALENDAR YEAR 1920.

In recent years there has been quite an insistent demand for increased depths at harbors upon the belief that existing depths prevent the use of such harbors by modern freight vessels. Neither Lloyd's Register nor the List of Merchant Vessels of the United States contains information relative to drafts of vessels and very little information has heretofore been compiled upon the subject in such form as to be useful in the consideration of the worthiness of providing additional depths at our harbors. Complete records are kept, however, of the drafts of vessels passing through the Panama Canal. Since this canal has sufficient depth for the accommodation of the largest vessels and is a gateway for traffic between world ports of the largest capacity, information relative to the drafts of vessels using this canal should give a fairly correct view of drafts of vessels which carry the world's commerce. A study has therefore been made of drafts of vessels using the Panama Canal during the calendar year 1920 and the results are given in this report.

Of 2,813 merchant vessels passing through the canal during 1920 to and from all ports of the world, 71.49 per cent drew under 25 feet and 98.79 per cent drew under 30 feet.

A total of 1,085 vessels from ports of the United States passed through the canal, and of these 65.37 per cent drew under 25 feet and 98.56 per cent drew under 30 feet. The vessels bound from ports of the United States in general were loaded deeper than vessels bound to ports of the United States. Of the latter there were a total of 731, of which 71.68 per cent drew under 25 feet and 99.04 per cent drew under 30 feet.

The only ports of the United States to which vessels were bound through the Panama Canal drawing 30 feet or over were New York, Norfolk, Newport News, Charleston, New Orleans, and San Francisco, and the total of these vessels was 23. While there were 7 vessels bound from New York drawing 30 feet or over, there was only 1 vessel bound for New York in this class.

Of 521 vessels carrying general cargo to and from ports of the United States, 69.47 per cent drew under 25 feet and 98.64 per cent drew under 30 feet.

Of 188 vessels carrying nitrates to United States ports, 65.44 per cent drew under 25 feet and 97.89 per cent drew under 30 feet.

As a class, the vessels carrying petroleum products have the greatest average draft. Of 101 such vessels, 27.72 per cent drew under 25 feet and 94.06 per cent drew under 30 feet. Fifty-four vessels, or 53.5 per cent of the total, drew between 25 and 28 feet.

Forty-nine vessels carried lumber from United States ports through the canal, of which 85.68 per cent drew under 25 feet and 100 per cent under 29 feet. Thirty-four vessels, or 69.6 per cent, drew between 20 and 25 feet.

One hundred and sixteen vessels carried flour and grain from Pacific ports through the canal, of which 44.83 per cent drew under 25 feet and 99.14 per cent drew under 29 feet. The latter figure included all vessels except 1 which drew between 30 and 31 feet.

Drafts of merchant vessels passing through the Panama Canal during 1920, to and from all parts of the world.

Draft.	Number of vessels.	Per cent of total.	Draft.	Number of vessels.	Per cent of total.
Under 10 feet.....	56	2.0	Under 10 feet.....	56	1.99
10 feet and under 11 feet.....	27	1.0	Under 11 feet.....	83	2.95
11 feet and under 12 feet.....	14	.5	Under 12 feet.....	97	3.45
12 feet and under 13 feet.....	65	2.5	Under 13 feet.....	162	5.76
13 feet and under 14 feet.....	95	3.5	Under 14 feet.....	257	9.14
14 feet and under 15 feet.....	91	3.5	Under 15 feet.....	348	12.37
15 feet and under 16 feet.....	104	4.0	Under 16 feet.....	452	16.06
16 feet and under 17 feet.....	105	4.0	Under 17 feet.....	557	19.50
17 feet and under 18 feet.....	89	3.2	Under 18 feet.....	646	22.96
18 feet and under 19 feet.....	127	5.0	Under 19 feet.....	773	27.48
19 feet and under 20 feet.....	173	3.0	Under 20 feet.....	946	33.63
20 feet and under 21 feet.....	180	6.5	Under 21 feet.....	1,126	40.03
21 feet and under 22 feet.....	165	6.0	Under 22 feet.....	1,291	45.90
22 feet and under 23 feet.....	196	7.0	Under 23 feet.....	1,487	52.87
23 feet and under 24 feet.....	254	9.0	Under 24 feet.....	1,741	61.90
24 feet and under 25 feet.....	270	10.0	Under 25 feet.....	2,011	71.49
25 feet and under 26 feet.....	222	8.1	Under 26 feet.....	2,233	79.38
26 feet and under 27 feet.....	219	8.1	Under 27 feet.....	2,452	87.17
27 feet and under 28 feet.....	180	6.5	Under 28 feet.....	2,632	93.57
28 feet and under 29 feet.....	90	3.2	Under 29 feet.....	2,722	96.77
29 feet and under 30 feet.....	57	2.1	Under 30 feet.....	2,779	98.79
30 feet and under 31 feet.....	22	.8	Under 31 feet.....	2,801	99.60
31 feet and under 32 feet.....	8	.3	Under 32 feet.....	2,809	99.86
32 feet and under 33 feet.....	4	.2	Under 33 feet.....	2,813	100.00
Total.....	1 2,813	100.0			

¹ Does not include launches, yachts, tugs, etc., and 35 merchant vessels, for which drafts are not reported.

Drafts of merchant vessels carrying general cargo to and from United States ports during 1920, by way of the Panama Canal.

Draft.	Number of vessels.	Per cent of total.	Draft.	Number of vessels.	Per cent of total.
13 feet and under 14 feet.....	2	0.4	24 feet and under 25 feet.....	62	11.9
14 feet and under 15 feet.....	6	1.2	25 feet and under 26 feet.....	54	10.3
15 feet and under 16 feet.....	8	1.5	26 feet and under 27 feet.....	38	7.3
16 feet and under 17 feet.....	13	2.5	27 feet and under 28 feet.....	36	6.9
17 feet and under 18 feet.....	29	5.6	28 feet and under 29 feet.....	13	2.5
18 feet and under 19 feet.....	27	5.2	29 feet and under 30 feet.....	11	2.1
19 feet and under 20 feet.....	40	7.7	30 feet and under 31 feet.....	4	.8
20 feet and under 21 feet.....	45	8.6	31 feet and under 32 feet.....	1	.2
21 feet and under 22 feet.....	37	7.1	32 feet and under 33 feet.....	2	.4
22 feet and under 23 feet.....	52	10.0			
23 feet and under 24 feet.....	41	7.8	Total.....	1 521	100.0

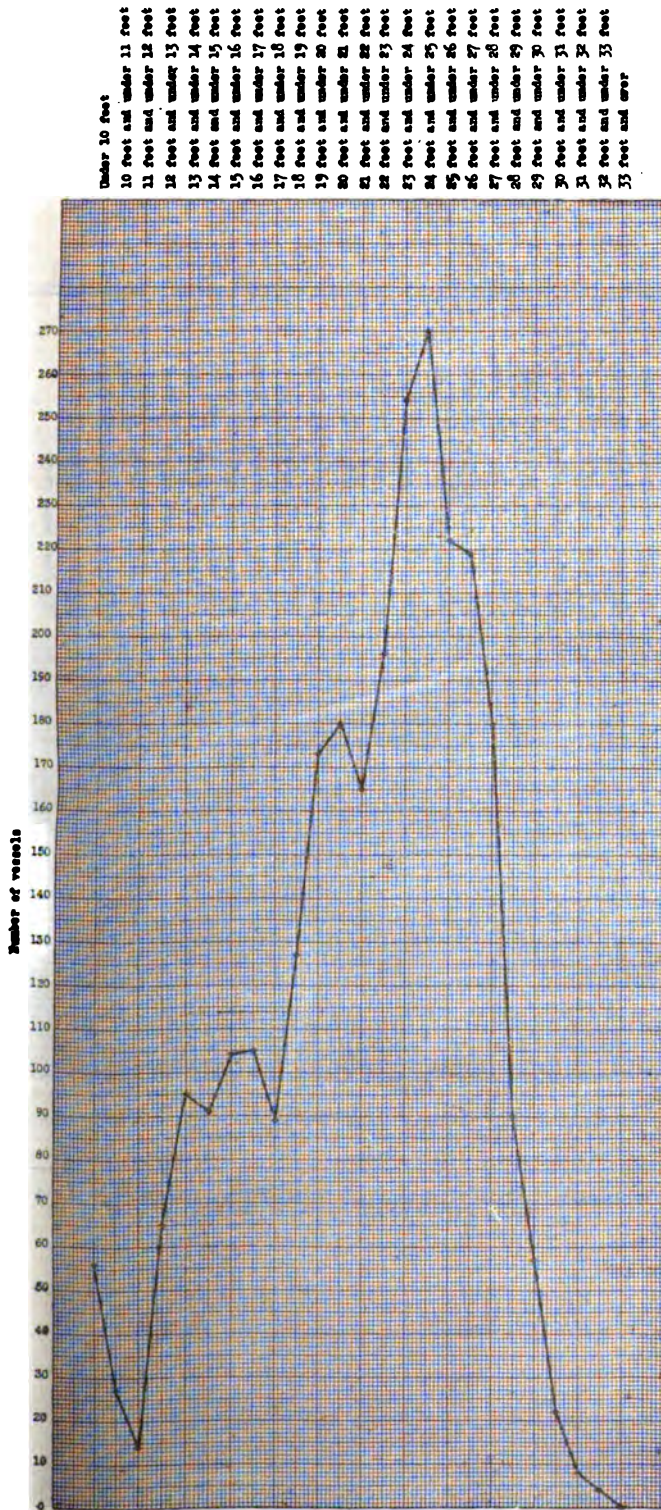
¹ Does not include 5 vessels for which drafts are not reported.

Drafts of vessels carrying nitrates to United States ports during 1920, by way of the Panama Canal.

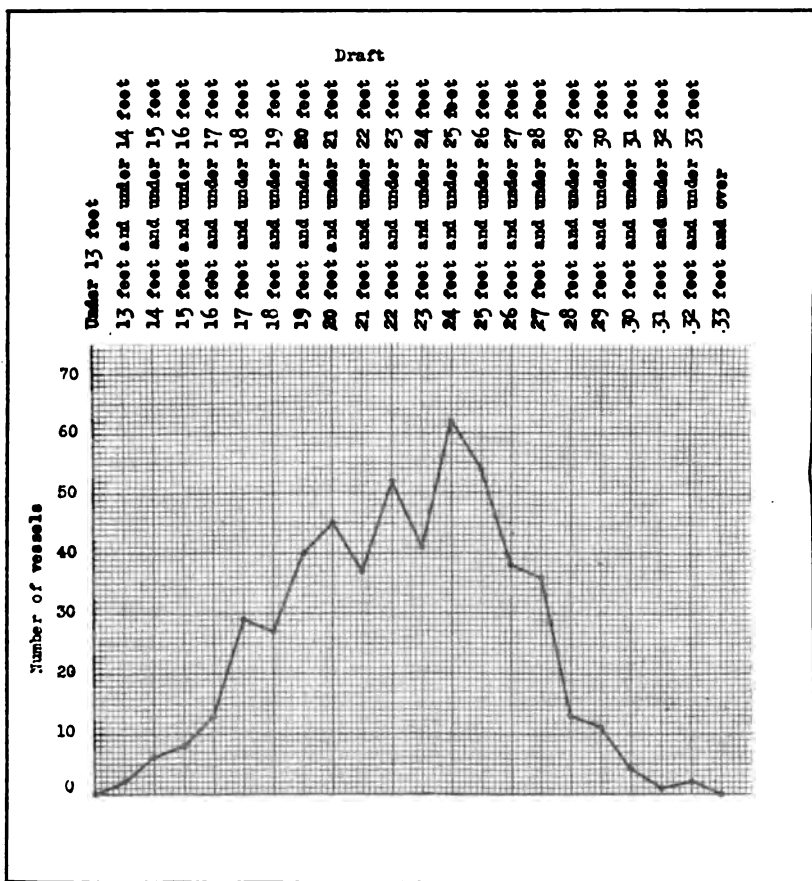
Draft.	Number of vessels.	Per cent of total.	Draft.	Number of vessels.	Per cent of total.
16 feet and under 17 feet.....	1	0.5	26 feet and under 27 feet.....	17	9.0
18 feet and under 19 feet.....	2	1.1	27 feet and under 28 feet.....	9	4.8
19 feet and under 20 feet.....	7	3.7	28 feet and under 29 feet.....	13	6.9
20 feet and under 21 feet.....	14	7.4	29 feet and under 30 feet.....	11	5.8
21 feet and under 22 feet.....	12	6.5	30 feet and under 31 feet.....	3	1.6
22 feet and under 23 feet.....	21	11.2	31 feet and under 32 feet.....	1	.5
23 feet and under 24 feet.....	34	18.1			
24 feet and under 25 feet.....	32	17.0	Total.....	1 188	100.0
25 feet and under 26 feet.....	11	5.9			

¹ Does not include 1 vessel for which no draft is reported; and 1 vessel for which no port is given.

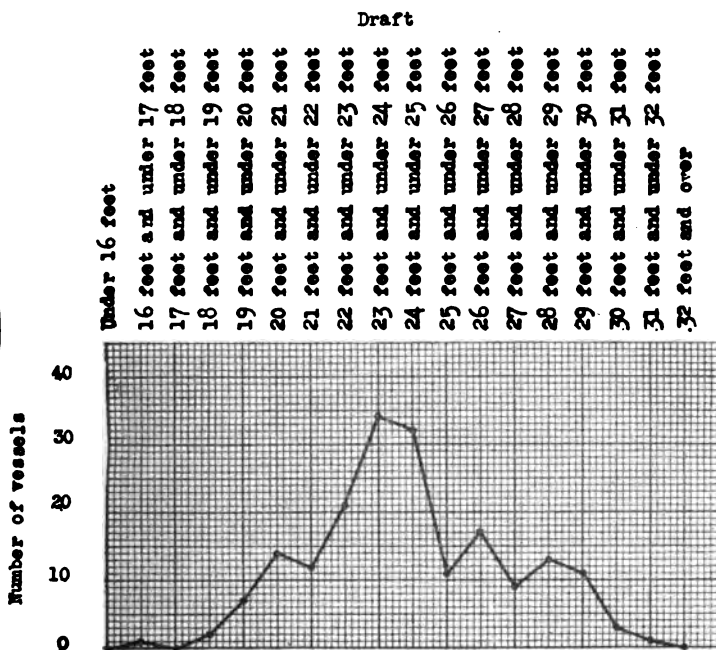
Drafts



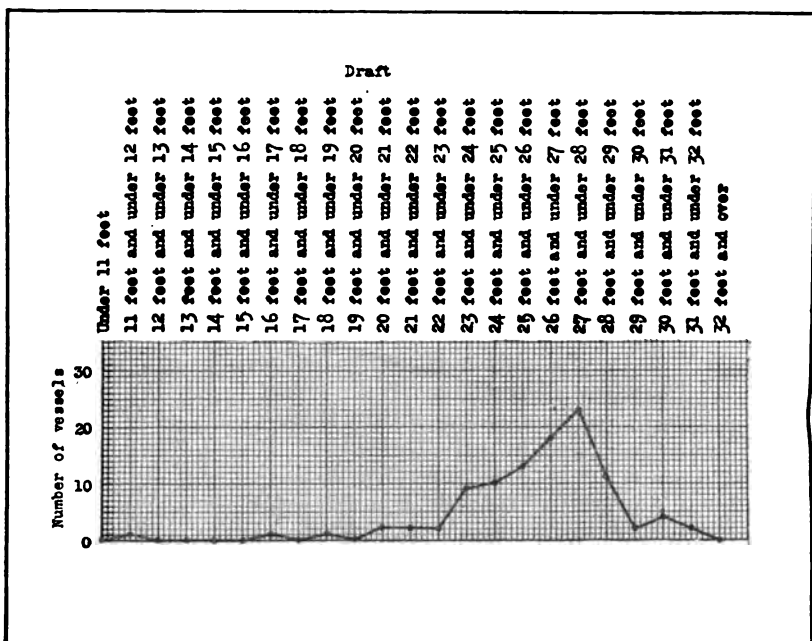
Graph showing distribution by drafts of 2,813 merchant vessels passing through the Panama Canal during 1920.



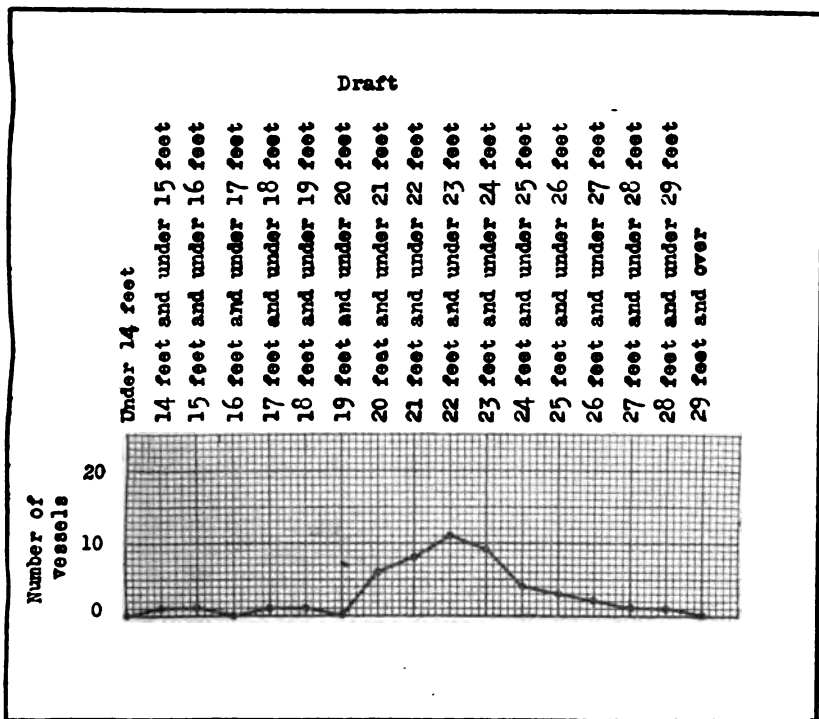
Graph showing distribution by drafts of 521 merchant vessels carrying general cargo to and from United States ports during 1922 by way of the Panama Canal.



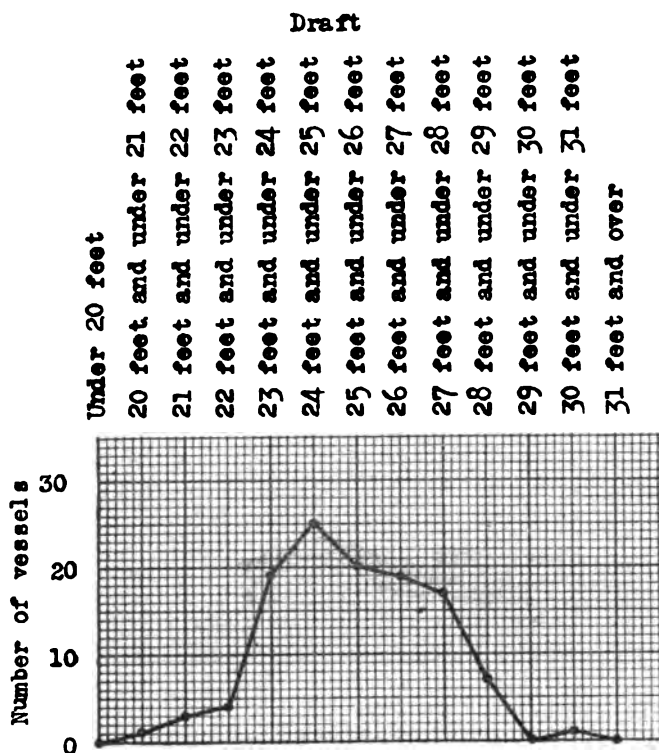
Graph showing distribution by drafts of 188 merchant vessels carrying nitrates to United States ports during 1920 by way of the Panama Canal.



Graph showing distribution by drafts of 101 vessels carrying petroleum and products to and from United States ports during 1920 by way of the Panama Canal.



Graph showing distribution by drafts of 40 merchant vessels carrying lumber from Pacific ports of the United States during 1920 by way of the Panama Canal.



Graph showing distribution by drafts of 116 merchant vessels carrying grain and flour from Pacific ports of the United States during 1920 by way of the Panama Canal.

Drafts of vessels carrying petroleum products to and from United States ports during 1920, by way of the Panama Canal.

Draft.	Number of vessels.	Per cent of total.	Draft.	Number of vessels.	Per cent of total.
11 feet and under 12 feet.....	1	1.0	26 feet and under 27 feet.....	18	17.8
16 feet and under 17 feet.....	1	1.0	27 feet and under 28 feet.....	23	22.8
18 feet and under 19 feet.....	1	1.0	28 feet and under 29 feet.....	11	10.9
20 feet and under 21 feet.....	2	2.0	29 feet and under 30 feet.....	2	2.0
21 feet and under 22 feet.....	2	2.0	30 feet and under 31 feet.....	4	3.9
22 feet and under 23 feet.....	2	2.0	31 feet and under 32 feet.....	2	1.9
23 feet and under 24 feet.....	9	8.9			
24 feet and under 25 feet.....	10	9.9	Total.....	101	100.0
25 feet and under 26 feet.....	13	12.9			

¹ Does not include 1 vessel for which no draft is reported.

Drafts of vessels carrying lumber from United States ports during 1920, by way of the Panama Canal.

Draft.	Number of vessels.	Per cent of total.	Draft.	Number of vessels.	Per cent of total.
14 feet and under 15 feet.....	1	2.0	24 feet and under 25 feet.....	4	8.2
15 feet and under 16 feet.....	1	2.0	25 feet and under 26 feet.....	3	6.1
17 feet and under 18 feet.....	1	2.0	26 feet and under 27 feet.....	2	4.1
18 feet and under 19 feet.....	1	2.0	27 feet and under 28 feet.....	1	2.0
20 feet and under 21 feet.....	6	12.3	28 feet and under 29 feet.....	1	2.0
21 feet and under 22 feet.....	8	16.4			
22 feet and under 23 feet.....	11	22.5	Total.....	49	100.0
23 feet and under 24 feet.....	9	18.4			

Drafts of vessels carrying flour and grain from Pacific ports of the United States during 1920, by way of the Panama Canal.

Draft.	Number of vessels.	Per cent of total.	Draft.	Number of vessels.	Per cent of total.
20 feet and under 21 feet.....	1	0.9	27 feet and under 28 feet.....	17	14.6
21 feet and under 22 feet.....	3	2.6	28 feet and under 29 feet.....	7	6.0
22 feet and under 23 feet.....	4	3.5	29 feet and under 30 feet.....	1	.9
23 feet and under 24 feet.....	19	16.4	30 feet and under 31 feet.....	1	.9
24 feet and under 25 feet.....	25	21.5			
25 feet and under 26 feet.....	20	17.2	Total.....	116	100.0
26 feet and under 27 feet.....	19	16.4			

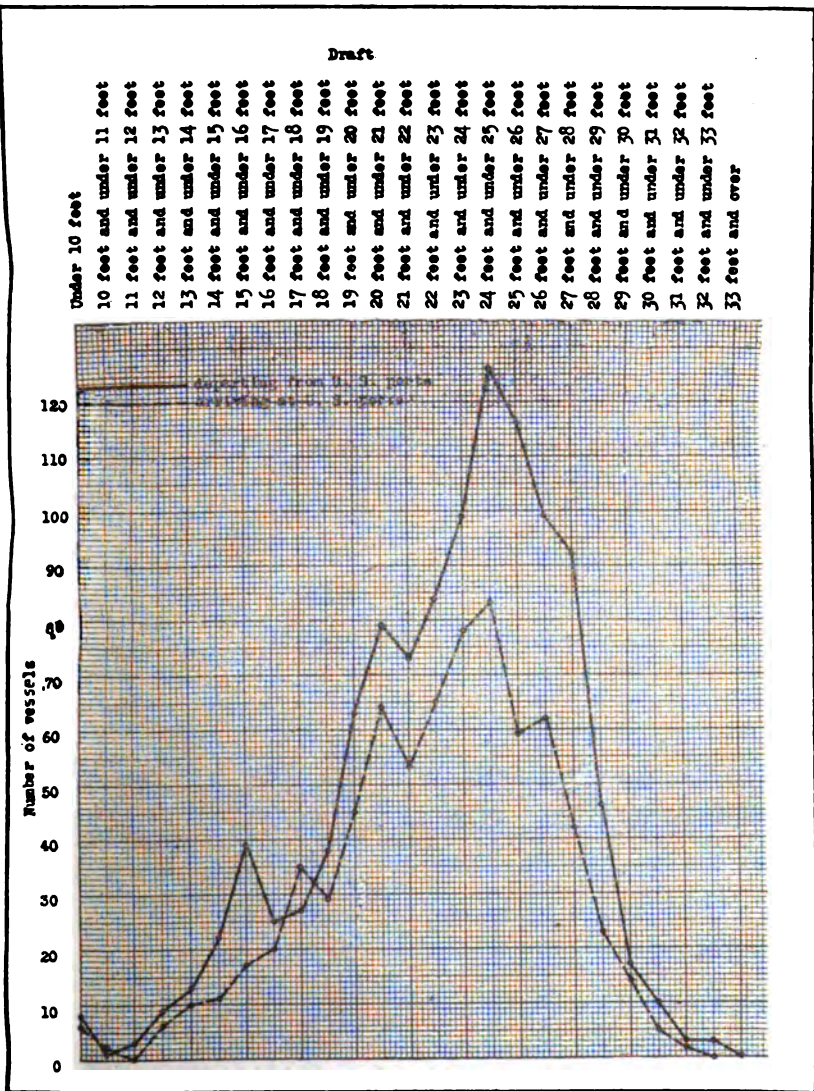
¹ Does not include 1 vessel for which no draft is reported.

Distribution by drafts, of merchant vessels passing through the Panama Canal during 1920.

BOUND FOR PORTS OF THE UNITED STATES.

[Draft in feet.]

	Under 10.	10 and un- der 11.	11 and un- der 12.	12 and un- der 13.	13 and un- der 14.	14 and un- der 15.	15 and un- der 16.	16 and un- der 17.	17 and un- der 18.	18 and un- der 19.	19 and un- der 20.	20 and un- der 21.	21 and un- der 22.	22 and un- der 23.	23 and un- der 24.	24 and un- der 25.	25 and un- der 26.	26 and un- der 27.	27 and un- der 28.	28 and un- der 29.	29 and un- der 30.	30 and un- der 31.	31 and un- der 32.	32 and un- der 33.	Total ves- sels.
<i>Bound for—</i>																									
New York.....					1	2	2	3	4	4	5	24	14	21	34	28	34	25	21	5	1	1			239
San Francisco.....	1	1		3	6	6	7	7	23	13	11	13	11	10	7	4	8	11	6	4		1			154
Norfolk.....										1	4	1	2	3	4	2	1	3	1	2		1			26
Philadelphia.....				1		1				1	1	3	2	4	5	3	2	3	2						25
Wilmington.....												3	3	4	6	3	1	3	2			1			28
San Diego.....	4											3	3	4	5	3	2	3	3						26
Charleston.....															3	3	1	5	3	6	6		1		31
Hampton Roads.....										1	5	3	3	1		2	1	1	1						10
Portland, Oreg.....								4	1	3	4	5	3	3	4	3	1	1	1						2
Los Angeles-San Pedro.....	1			1	1	1	1	1	1	1	1	1	2	2	2	3	1	1	4		1	2			19
New Orleans.....											1	1	3	1	3	5	3	5	2	2					30
Savannah.....						1	1	1	2	1	4	4	4	1	1	1	2	1							15
Seattle.....											2	5	3	3	3	6	2	2	1						45
Beaumont.....											7	1	2	3	1	2	2	2	2		3				18
Baltimore.....								3	2	2	4	4	3	1	1	2	2	2	1						13
Mobile.....	1							1			1	1	1	5	3	2	2	2	3						37
Boston.....														1	1	2	2	2	1	1					16
Pensacola.....														1	1	1									4
Newport News.....															1										1
Port Townsend.....							1						1												2
Delaware Bay and River.....																			2						2
Galveston.....											1		1												3
Chicago.....																									3
Jackmanville.....																									1
Astoria.....																									3
Tacoma.....												2					1								3
Puget Sound.....																									3
Runswick.....																									3
Oleum, Calif.....																									3
Total vessels for each foot of draft.	6	2	6	10	11	17	20	35	29	45	64	53	65	78	83	59	62	42	23	14	5	2			731



Graph showing distribution by drafts of 1,085 merchant vessels departing from United States ports and 731 merchant vessels arriving at United States ports during 1920 passing through the Panama Canal.

BOUND FROM PORTS OF THE UNITED STATES.

[Draft in feet.]

	Under 10.	10 and un- der 11.	11 and un- der 12.	12 and un- der 13.	13 and un- der 14.	14 and un- der 15.	15 and un- der 16.	16 and un- der 17.	17 and un- der 18.	18 and un- der 19.	19 and un- der 20.	20 and un- der 21.	21 and un- der 22.	22 and un- der 23.	23 and un- der 24.	24 and un- der 25.	25 and un- der 26.	26 and un- der 27.	27 and un- der 28.	28 and un- der 29.	29 and un- der 30.	30 and un- der 31.	31 and un- der 32.	32 and un- der 33.	Total ves-
<i>Bound from—</i>																									
New York.....	4	1	1	1	4	3	9	7	4	7	21	17	18	32	36	38	40	28	38	13	8	5	5	2	356
Norfolk.....		1	2	5	5	7	3	3	3	3	7	9	9	13	8	21	17	17	7	4	3	1	1	1	149
San Francisco.....						3	6	6	8	13	18	15	12	5	13	14	13	5	10	2	2	2	1	1	180
Baltimore.....			1	1	1	2	1	2	4	5	7	12	8	5	5	5	5	6	6	1	1	1	1	1	68
New Orleans.....			1	1			3	3	5	5	1	5	2	4	3	5	5	3	3	1	1	1	1	1	41
San Diego.....						1	1	1					1	2	4	6	6	7	2	3	3	1	1	1	2
Newport News.....						1	5	2	4	2	2	6	1	2	4	6	6	4	7	2	3	3	1	1	52
Philadelphia.....						1	3	2	1	2	1	2	3	2	8	3	5	5	6	1	1	1	1	1	37
Seattle.....														1	1	1	1	2	1	1	1	1	1	1	46
Port Arthur.....	1				1			1	1	1	1	1	3	11	8	5	5	6	1	1	1	1	1	1	11
Charleston.....														1	1	1	1	2	1	1	1	1	1	1	7
Los Angeles-San Pedro.					1	2		1					1	2	5	5	5	3	9	2	2	3	1	1	28
Tacoma.....										1	1	1	2	1	5	5	1	1	1	1	1	1	1	1	9
Aberdeen.....																									1
Pensacola.....						1	1		1	1		1	1	1											4
Jacksonville.....	1					1	2	1	1	1		1	1	1											9
Portland, Me.....								1	1	1		1	1	1											2
Sabine.....					1									1	2	1	3	1	3	1	1	1	1	1	14
Savannah.....											1		1	1	1	1	3	1	1	2					9
Tampa.....																	9	6	6	3					57
Portland, Oreg.....							1					1	3	4	9	15	9	1	1	2					5
Astoria.....							2	1	1		4	3	1	1	1	1	1	1	1						13
Boston.....																									1
Everett, Wash.....																									10
Beaumont.....																									2
Gray's Harbor, Wash.																									9
Mobile.....																									2
Galveston.....						1	2			1		1	2	1	1	1	2	2	4	2					7
Texas City.....																									1
Miami.....	1																								1
Brunswick.....	1																								2
St. Helens, Oreg.....																									1
Port Blakely, Wash.																									1
Total vessels for each foot of draft.	8	1	3	9	13	22	39	25	27	38	63	79	73	84	99	126	116	99	92	36	17	10	3	3	1,085

STUDY OF RAIL RATE ON BITUMINOUS COAL.

To assist in determining the relative economy of water and rail transportation in specific cases, the statistical division of the Board of Engineers for Rivers and Harbors is engaged in making studies of rates and costs of transportation both by rail and water. The accompanying compilation of rates pertains exclusively to the rail movement of bituminous coal from the various mining districts east of the Mississippi River. Rates have been selected for routes involving competition with other rail carriers and with water routes, and also for routes without competition. The length of the haul varies from 14 miles to approximately 850 miles.

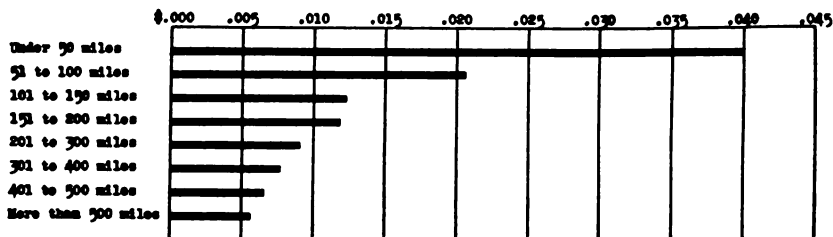
It will be observed that with a few exceptions ton-mile rates decrease in proportion to the increase in distance. The following shows the minimum and maximum ton-mile rates for the several groups of distances:

Miles.	Minimum.	Maximum.
	<i>Cents.</i>	<i>Cents.</i>
0 to 50.....	3.22	7.50
51 to 100.....	1.54	2.80
101 to 150.....	1.25	1.39
151 to 200.....	.97	1.33
201 to 300.....	.71	1.46
301 to 400.....	.55	1.01
401 to 500.....	.48	.92
501 to 900.....	.36	.89

Rates involving transfer across the Ohio River are omitted from the above table, as also the rate of 63 cents per ton from all stations of the Chesapeake & Ohio Railway to Huntington, W. Va., for transshipment by Ohio River steamers. The ton-mile rate for this service ranges from 0.22 cent for the longest distance to 21 cents for the shortest distance. The 201 to 300 miles group includes one rate of \$3.07 per ton of 2,000 pounds for a haul of 210 miles, or 1.46 cents per ton-mile. The highest rate in this group exclusive of the one mentioned is 1.22 cents per ton-mile, which is more in agreement with other rates in the table.

Rates in the tariffs of the Pennsylvania Railroad and New York Central Railroad are quoted in cents per ton of 2,240 pounds, but in the tables these rates have been reduced to the equivalent rate for 2,000 pounds, which is the basis generally used in railroad tariffs.

Where there is water competition rates are somewhat lower for similar distances than elsewhere, the difference varying from 10 to 20 per cent.

AVERAGE RAIL RATES PER TON-MILE ON BITUMINOUS COAL.¹

¹ The rates were obtained by taking the averages of the rates from all of the principal mining districts for the several distances indicated.

Rail rates on bituminous coal, in cents per ton of 2,000 pounds.

From—	To—	Route.	Distance.	Rate.	Ton-mile rate.	Remarks.
Murphyboro, Ill.	Gorham, Ill.	Missouri Pacific	Miles. 14	Cents. 105	\$0.075	Rates also apply from other points of origin in same group. Potential water competition.
Do.	Chester, Ill.	do.	37	119	.0822	
Do.	Menard, Ill.	do.	53	119	.0224	
Do.	Thiebes, Ill.	do.	51	140	.0274	
Herrin, Ill.	Do.	do.	74	140	.0189	Do.
Do.	Gorham, Ill.	do.	31	117 1/4	.0336	
Do.	Chester, Ill.	do.	38	122 1/4	.0322	
Do.	Menard, Ill.	do.	53	122 1/4	.0222	
Do.	Thiebes, Ill.	do.	68	140	.0215	Do.
Do.	Do.	do.	91	140	.0134	
Hillsville, Pa.	Do.	Pittsburgh & Lake Erie Balti- more & Ohio.	21	98	.0466	
Do.	Chardon, Ohio.	do.	60	168	.028	
Do.	Fainesville, Ohio.	do.	71	162	.0236	Rates apply from all Chesapeake & Ohio stations. Farthest station from Huntington, 286 miles.
Do.	Fairport Harbor, Ohio.	do.	73	162	.0219	
Kanawha district, W. Va.	Ashland, Ky.	Chesapeake & Ohio.	87	140	.0161	
Do.	Kenova, W. Va.	do.	79	126	.0139	
Do.	Carlisle, Ky.	do.	81	140	.0173	Rate applies from all stations in district. Potential water competition.
Do.	Charleston, W. Va.	do.	67	126	.0185	
New River district.	do.	do.	84	146	.0135	
Cass, W. Va.	do.	do.	94	196	.0208	
Hinton, W. Va., and all other Chesapeake & Ohio stations.	Allegany, W. Va., tracks of Island Creek Coal Sales Co., Tipton on Ohio River, for transshipment via Ohio River steamers.	do.	147	63	.0943	Rate applies from intermediate points of origin to Cashle Shannon, Pa., inclusive (11 miles less.)
Kanawha district, W. Va.	South Portsmouth, Ky.	do.	286	63	.0222	
Do.	Garrison, Ky.	do.	118	134	.0131	
Ashland, Ky.	Columbus, Ohio.	Norfolk & Western.	131	168	.0129	
Do.	Cincinnati, Ohio.	do.	148	196	.0139	Rates apply from intermediate points of origin to Belleville, Ill., inclusive (62 miles less). Rate on slack coal, 20 cents per ton less.
Largo, Pa.	Cleveland, Ohio.	West Side Belt-Pittsburgh & Lake Erie-Erie.	149	196	.0125	
Do.	Ashtabula Harbor, Ohio.	West Side Belt-Pittsburgh & Lake Erie-New York Cen- tral.	146	196	.0127	
Mount Vernon, Ill.	Bonne Terre, Mo.	Louisville & Nashville-Mis- sour Pacific-Missouri River and Bonne Terre.	142	196	.0138	
Do.	Do.	do.	147	196	.0133	Rates apply from intermediate points of origin to Belleville, Ill., inclusive (62 miles less). Rate on slack coal, 20 cents per ton less.
Do.	St. Francis, Mo.	do.	148	196	.0132	
Do.	Fiat River, Mo.	do.	148	196	.0132	
Do.	Doe Run, Mo.	do.	137	196	.0125	

Rail rates on bituminous coal, in cents per ton of 2,000 pounds—Continued.

Prom—	To—	Route.	Distance.	Rate.	Ton-mile rate.	Remarks.
Eldorado, Ill.	Bonne Terre, Mo.	Louisville & Nashville-Missouri Pacific-Missouri River and Bonne Terre.	Miles. 152	Cents. 253	\$0.0133	Rate on slack coal 20 cents per ton less. Rate applies from intermediate points of origin.
Do.	St. Francis, Mo.	do.	157	253	.0129	
Do.	Fiat River, Mo.	do.	158	253	.0129	
Do.	Doe Run, Mo.	do.	167	253	.0126	
Equality, Ill.	Bonne Terre, Mo.	do.	161	253	.0126	Do.
Do.	St. Francis, Mo.	do.	166	253	.0126	
Do.	Fiat River, Mo.	do.	176	253	.0126	
Do.	Doe Run, Mo.	do.	177	253	.0115	
Whitett Junction, Pa.	Cleveland, Ohio.	Pittsburgh & Lake Erie-Erie.	174	186	.0107	Rate applies from intermediate points to Montour Junction, Pa., inclusive (52 miles less).
Do.	Ashtabula Harbor, Ohio.	Pittsburgh & Lake Erie-New York Central	171	186	.0109	
Connellsville Transfer, Pa.	Cleveland, Ohio.	Pittsburgh & Lake Erie-Erie.	185	192	.0098	Rate applies from intermediate points to Dickerson Scales, Pa., inclusive (19 miles less).
Do.	Ashtabula Harbor, Ohio.	Pittsburgh & Lake Erie-New York Central.	192	192	.01	
Kanawha district, W. Va.	Manchester, Ky.	Chesapeake & Ohio.	158	168	.0106	Rate applies from points of origin in group (89 to 188 miles). Water competition.
Do.	Manchester, Ohio.	Chesapeake & Ohio-River.	(1)	266	.0188	
Do.	Maysville, Ky.	Chesapeake & Ohio.	169	168	.0099	Rate applies from points of origin in group (89 to 138 miles). Water competition.
Do.	South Ripley, Ky.	do.	178	182	.0102	
Do.	Ripley, Ohio.	Chesapeake & Ohio-River.	(1)	280	.0157	Rate applies from points of origin in group (109 to 178 miles). Water competition.
Slipsey, Ala.	Jackson, Tenn.	St. Louis-San Francisco-Illinois Central.	200	235	.0117	
Empire, Ala.	do.	do.	195	235	.0121	Rate applies from all points of origin in group 1 (79 to 161 miles).
Cordova, Ala.	do.	do.	186	230	.0124	
New River district, W. Va.	Kenova, W. Va.	Chesapeake & Ohio.	151	156	.0103	Rate applies from all points of origin in group 1 (81 to 133 miles).
Do.	Catlettsburg, Ky.	do.	153	180	.0118	
Do.	Ashland, Ky.	do.	159	180	.0113	Rate applies from all points of origin in group 1 (87 to 139 miles).
Do.	South Portsmouth, Ky.	do.	190	184	.0097	
Beechmont, Pa.	Cleveland, Ohio.	P. C. & Y.-Pittsburgh & Lake Erie-Erie.	149	186	.0125	Rate applies from all points of origin in group 1 (93 to 190 miles).
Do.	Ashtabula Harbor, Ohio.	P. C. & Y.-Pittsburgh & Lake Erie-New York Central.	146	186	.0127	

Miflin Junction, Pa.....	Cleveland, Ohio.....	Montour-Pittsburgh & Lake Erie-Erie.....	177	186	.0106	Rate applies from intermediate points of origin to Scotts, Pa., inclusive (45 miles less).
Do.....	Ashabula Harbor, Ohio.....	Montour-Pittsburgh & Lake Erie-New York Central.....	174	186	.0107	
State Line, Pa.-W. Va.....	Cleveland, Ohio.....	Monongahela-Pittsburgh & Lake Erie-Erie.....	222	192	.0086	Rate applies from intermediate points of origin to Big Meadow Run, Pa., inclusive (21 miles less).
Do.....	Ashabula Harbor, Ohio.....	Monongahela-Pittsburgh & Lake Erie-New York Central.....	219	192	.0088	
Cassville, W. Va.....	Cleveland, Ohio.....	Morgantown & Wheeling-Monongahela-Pittsburgh & Lake Erie-Erie.....	227	201	.0088	Rate applies from intermediate points of origin to Osage, W. Va., inclusive, (8 miles less).
Do.....	Ashabula Harbor, Ohio.....	Morgantown & Wheeling-Monongahela-Pittsburgh & Lake Erie-New York Central.....	224	201	.009	
Kanawha district, W. Va.....	Cincinnati, Ohio.....	Chesapeake & Ohio.....	223	210	.009	Rate applies from all points of origin in group (148 to 233 miles). Water competition.
Do.....	Louisville, Ky.....	do.....	226	210	.0071	Rate applies from all points of origin in group (210 to 265 miles).
Do.....	New Richmond, Ky.....	do.....	210	186	.0083	Rate applies from all points of origin in group (141 to 210 miles). Water competition.
Do.....	New Richmond, Ohio.....	Chesapeake & Ohio-River.....	(1)	284	.014	Rate applies from all points of origin in group. Water competition.
Do.....	Covington, Ky.....	Chesapeake & Ohio.....	221	186	.0085	Rate applies from all points of origin in group (162 to 231 miles). Water competition.
Do.....	Garrison, Ky.....	do.....	202	188	.0083	Rate applies from all points of origin in group (130 to 202 miles).
New River district, W. Va.....	Manchester, Ky.....	do.....	220	188	.0082	Rate applies from all points of origin in group (158 to 230 miles).
Do.....	Manchester, Ohio.....	Chesapeake & Ohio-River.....	(1)	286	.0124	Rate applies from all points of origin in group.
Do.....	Maysville, Ky.....	Chesapeake & Ohio.....	241	188	.0078	Rate applies from all points of origin in group (169 to 241 miles).
Clearfield, Pa.....	Utica, N. Y.....	New York Central.....	254	309	.0122	Rate applies from all points of origin in group (178 to 230 miles).
Do.....	Rochester, N. Y.....	do.....	291	286	.0102	Rate applies from all points of origin in group.
New River district, W. Va.....	South Ripley, Ky.....	Chesapeake & Ohio.....	250	192	.0077	Rate applies from all points of origin in group (210 to 282 miles).
Do.....	Ripley, Ohio.....	Chesapeake & Ohio-River.....	(1)	282	.0116	Rate applies from all points of origin in group.
Do.....	New Richmond, Ky.....	Chesapeake & Ohio.....	282	206	.0073	Rate applies from all points of origin in same group (247 to 290 miles).
Do.....	New Richmond, Ohio.....	Chesapeake & Ohio-River.....	(1)	304	.0108	Rate applies from all points of origin in same group (250 to 283 miles).
St. Paul, Va.....	Spartanburg, S. C.....	Carolina, Clinchfield & Ohio.....	235	240	.0102	
Eldorado, Ill.....	Memphis, Tenn.....	Illinois Central.....	260	234	.0081	Applies only on traffic received from Sandy Valley and Elkhorn Ry.
Do.....	Cortina, Miss.....	do.....	268	260	.0089	Rate applies from all points of origin in Southern Railway groups 1, 2, 3 and 5 (227 to 259 miles).
Glen Carbon, Ill.....	Fulton, Ky.....	do.....	210	307	.0146	Rate applies from all points of origin in Southern Railway group 4 (133 to 253 miles).
Huntington, W. Va.....	Dover, Ohio.....	Baltimore & Ohio.....	283	210	.0074	
Clearfield, Pa.....	Buffalo, N. Y.....	Pennsylvania R. R.....	288	275	.0085	
Blotson, Ala.....	Chattanooga, Tenn.....	Southern Ry.....	259	194	.0075	
Parish, Ala.....	do.....	do.....	255	204	.0081	

¹ Across river.

Rail rates on bituminous coal, in cents per ton of 2,000 pounds—Continued.

From—	To—	Route.	Distance.	Rate.	Ton-mile rate.	Remarks.
Cordova, Ala.....	Fulton, Ky.....	St. Louis-San Francisco-Illinois Central.	Miles. 251	Cents. 230	\$0.0092	
Ensley, Ala.....	do.....	do.....	279	230	.0093	
Empire, Ala.....	do.....	do.....	260	235	.009	
Sipeey, Ala.....	do.....	do.....	265	235	.0090	
Ensley, Ala.....	Jackson, Tenn.....	do.....	214	230	.0107	
New River district.....	Cincinnati, Ohio.....	Chesapeake & Ohio.....	305	220	.0072	Rate applies from all points of origin in group (235 to 305 miles).
Do.....	Louisville, Ky.....	do.....	367	220	.006	Rate applies from all points of origin in group (297 to 367 miles).
Do.....	Covington, Ky.....	do.....	303	206	.0098	Rate applies from all points of origin in group (233 to 303 miles).
Do.....	Ann Arbor, Mich.....	Chesapeake & Ohio-Kanawha & Michigan-Hocking Valley-Ann Arbor.	338	235	.007	Rate applies from all points of origin in group (268 to 338 miles).
Do.....	Owosso, Mich.....	do.....	400	250	.0082	Rate applies from all points of origin in group (330 to 400 miles).
Do.....	Cambridge, Ohio.....	Chesapeake & Ohio-Baltimore & Ohio.	364	220	.006	Rate applies from all points of origin in group (294 to 364 miles).
Do.....	Newark, Ohio.....	do.....	313	190	.0081	Rate applies from all points of origin in group (243 to 313 miles).
Do.....	Richmond, Ind.....	Chesapeake & Ohio-Chesapeake & Ohio of Indiana.	370	210	.0057	Rate applies from all points of origin in group (300 to 370 miles).
St. Paul, Va.....	Augusta, Ga.....	Carolina, Clinchfield, & Ohio-Charleston & Western Carolina.	368	270	.0073	
Do.....	Columbia, S. C.....	Carolina, Clinchfield & Ohio-Southern Ry.	329	275	.0084	
Parrish, Ala.....	Pensacola, Fla.....	Southern-Louisville & Nashville.	311	200	.0084	Rate applies from all points of origin in Southern Ry. groups 1 to 5, inclusive (276 to 311 miles).
Eldorado, Ill.....	South Bend, Ind.....	Illinois Central-New York Central.	384	301	.0078	Rate applies from points of origin in same group (349 to 384 miles).
Do.....	Water Valley, Miss.....	Illinois Central.....	352	274	.0078	Rate applies from points of origin in same group (309 to 352 miles).
Glenwood, W. Va.....	Cleveland, Ohio, for transshipment to vessels.	Baltimore & Ohio.....	352	210½	.006	
Do.....	Lorain, Ohio, for transshipment to vessels.	do.....	347	210½	.006	
Do.....	Sandusky, Ohio, for transshipment to vessels.	do.....	368	210½	.0055	Rate applies from intermediate points of origin on Baltimore & Ohio to Parkersburg (99 miles less).

Antrim, Pa.....	North Adams, Mass.....	New York Central-Boston & Albany.....	389	337	.0087	
Do.....	do.....	New York Central-Boston & Maine.....	390	337	.0084	
Antrim, Pa.....	Greenfield, Mass.....	do.....	397	400	.0101	
Clearfield, Pa.....	Albany, N. Y.....	New York Central.....	399	321	.0092	
Do.....	West Albany Transfer, N. Y.....	do.....	345	369	.0089	
Do.....	Syracuse, N. Y.....	do.....	301	301	.0088	
Do.....	Buffalo, N. Y.....	do.....	300	324	.0083	
Do.....	Rochester, N. Y.....	do.....	324	275	.0085	
Do.....	Syracuse, N. Y.....	Pennsylvania R. R. Delaware & West-ern, Lockswanna & West-ern.....	367	271	.0074	Free on board boats for beyond.
New River district.....	Muncie, Ind.....	Chesapeake & Ohio-Chesapeake & Ohio of Indiana.....	410	240	.0089	Rate applies from all points of origin in group (340 to 410 miles).
Do.....	Gespport, Ind.....	Chesapeake & Ohio-Cincinnati, Indianapolis & Louisville.....	487	260	.0083	Rate applies from all points of origin in group (417 to 487 miles).
Do.....	Terre Haute, Ind.....	Chesapeake & Ohio-Cleveland Cincinnati, Chicago & St. Louis.....	487	260	.0083	Do.
Do.....	Newport News, Va.....	Chesapeake & Ohio.....	458	294	.0084	Rate applies from all points of origin in group (388 to 458 miles).
Do.....	Norfolk, Va.....	do.....	472	294	.0082	{Rate applies from all points of origin in group (402 to 472 miles).
Do.....	Portsmouth, Va.....	Carolina Clinchfield & Ohio-Southern Ry.....	426	220	.0082	
St. Paul, Va.....	Atlanta, Ga.....	Carolina Clinchfield & Ohio-Charleston & Western Caro-olina.....	481	285	.0089	
Do.....	Port Royal, S. C.....	Illinois Central-New York Central.....	461	301	.0085	Rate applies from other points of origin in group (426 to 461 miles).
Eldorado, Ill.....	Kalamazoo, Mich.....	Southern Ry.....	412	200	.0048	Rate applies from other points of origin in groups 1 to 5 (390 to 412 miles).
Wilton, Ala.....	Mobile, Ala.....	Southern-Louisville & Nash-ville.....	448	244	.0084	Rate applies from other points of origin in groups 1, 3, and 4 (416 to 448 miles).
Corona, Ala.....	Pascagoula, Miss.....	do.....	452	265½	.0087	Rate applies from other points of origin in groups 2 and 3.
Wilton, Ala.....	do.....	Southern-Alabama Great Southern-New Orleans & Northeastern.....	408	260	.0081	Rate applies from other points of origin in groups 1 to 3 (376 to 408 miles).
Blotton, Ala.....	New Orleans, La.....	Southern Ry.....	495	305½	.0082	Rate applies from other points of origin in groups 1, 2, 3, and 5 (463 to 495 miles).
Do.....	Brunswick, Ga.....	do.....	491	319	.0085	
Parrish, Ala.....	do.....	Charleston, S. C.....	488	331½	.0088	Rate applies from other points of origin in groups 1, 2, 3, and 5 (456 to 488 miles).
Blotton, Ala.....	do.....	do.....	484	344	.0071	
Parrish, Ala.....	Springfield, Mass.....	New York Central-Boston & Albany.....	420	360	.0083	
Antrim, Pa.....	do.....	do.....	468	387	.0083	Includes switching.
Do.....	Athol, Mass.....	do.....				

Rail rates on bituminous coal, in cents per ton of 2,000 pounds—Continued.

From—	To—	Route.	Distance.	Rate.	Ton-mile rate.	Remarks.
Antrim, Pa.	Springfield, Mass.	New York Central-Boston & Maine.	Miles. 433	Cents 350	\$.0081	Rate made to meet short-line competition; does not apply to intermediate points.
Do.	Athol, Mass.	do.	420	387	.0092	Do.
Do.	Concord, Mass.	do.	482	412	.0085	Do.
Do.	East Cambridge, Mass.	do.	499	408	.0081	Do.
Clerfield, Pa.	New York, N. Y.	New York Central	491	321	.0085	Do.
Do.	North Adams, Mass.	New York Central-Boston & Maine	491	409	.0083	Do.
Do.	Albany, N. Y.	Pennsylvania R. R.-Delaware & Hudson	421	309	.0073	Free on board boats for beyond.
Do.	North Adams, Mass.	Pennsylvania R. R.-Delaware & Hudson	477	409	.0086	Do.
Cordova, Ala.	East St. Louis, Ill.	St. Louis-Boston & Maine.	524	330	.0083	Do.
Ensey, Ala.	do.	do.	552	330	.008	Do.
Empire, Ala.	do.	do.	533	325	.0083	Do.
Slipsey, Ala.	do.	do.	538	335	.0083	Do.
Antrim, Pa.	East Cambridge, Mass.	New York Central-Boston & Albany.	522	350	.0087	Rate made to meet short-line competition and does not apply to intermediate points.
Do.	Boston, Mass.	do.	519	350	.0087	Do.
Do.	Newton, Mass.	do.	511	387	.0076	Do.
Do.	Boston, Mass.	New York Central-Boston & Maine.	502	362	.0072	Do.
Clerfield, Pa.	Greenfield, Mass.	do.	528	471	.0089	Do.
Do.	Athol, Mass.	do.	551	450	.0088	Do.
Do.	Gardner, Mass.	do.	598	484	.0085	Do.
Do.	Springfield, Mass.	Pennsylvania R. R.-Delaware & Hudson-Boston & Maine.	550	421	.0077	Do.
Do.	Athol, Mass.	do.	527	450	.0083	Do.
Do.	Concord, Mass.	do.	599	484	.0081	Do.
Eldorado, Ill.	Ann Arbor, Mich.	Illinois Central-New York Central-Ann Arbor.	587	367	.0063	Rate applies from all points in group (552 to 587 miles).
Do.	Detroit, Mich.	Illinois Central-New York Central-Detroit, Toledo & Ironstone	603	343	.0057	Rate applies from all points in group (568 to 603 miles).
Do.	Sandusky, Ohio.	Illinois Central-New York Central	596	399	.0087	Rate applies from all points in group (560 to 595 miles).
Blocton, Ala.	Memphis, Tenn.	Southern Ry.	572	231½	.004	Rate applies from other points of origin in groups 1, 2, and 3 (540 to 572 miles).
Parrish, Ala.	do.	do.	568	219	.0089	Rate applies from other points of origin in groups 3 and 4 (540 to 568 miles).

Clearfield, Pa.	Boston, Mass.	New York Central-Boston & Maine.	633	434	.0008	Rate made to meet competition and does not apply to intermediate points.
Do.	do.	Pennsylvania R. R.-Delaware & Hudson-Boston & Maine.	619	434	.007	Do.
Do.	East Cambridge, Mass.	do.	616	434	.007	Do.
New River district.	Kewanee, Wis.	Chesapeake & Ohio-Kanawha & Michigan-Hocking Valley-Ann Arbor.	645	(¹)	.0047	For local delivery.
Do.	Manitowoc, Wis.	do.	664		.0045	
Do.	Menominee, Wis.	do.	665	300	.0045	
Do.	Manistique, Wis.	do.	685		.0044	
Do.	Kewanee, Wis.	do.	645		.004	
Do.	Manitowoc, Wis.	do.	664	260	.0039	When for points beyond.
Do.	Menominee, Wis.	do.	665		.0039	
Do.	Manistique, Wis.	do.	685		.0038	
Do.	Joliet, Ill.	Chesapeake & Ohio-Atchison, Topeka & Santa Fe.	628	260	.0042	
Do.	Galesburg, Ill.	Chesapeake & Ohio-Cleveland, Cincinnati, Chicago & St. Louis-Chicago, Burlington & Quincy.	690	320	.0047	
Do.	Chicago, Ill.	Chesapeake & Ohio-Chicago, Indianapolis & Louisville.	691	260	.0038	Rate applies to all points of destination, to Goport, Ind., inclusive (204 miles less).
Do.	Springfield, Ill.	do.	627	310	.0049	
Do.	East Burlington, Ill.	Chesapeake & Ohio-Chicago, Burlington & Quincy.	706	310	.0039	
Do.	East Clinton, Ill.	Chesapeake & Ohio-Chicago & North Western.	785	310	.0043	
Do.	East Dubuque, Ill.	Chesapeake & Ohio-Chicago Great Western.	761	310	.0041	
Do.	do.	Chesapeake & Ohio-Illinois Central.	769	310	.004	
Do.	East Fort Madison, Ill.	Chesapeake & Ohio-Atchison, Topeka & Santa Fe.	820	310	.0038	Rates to east bank Mississippi River, Rates shown apply from all points of origin in New River district, ranging from mileage shown to 70 miles less.
Do.	Katibsburg, Ill.	Chesapeake & Ohio-Cleveland, Cincinnati, Chicago & St. Louis-Minneapolis & St. Louis.	718	310	.0043	
Do.	Quincy, Ill.	Chesapeake & Ohio-Chicago, Burlington & Quincy.	851	310	.0036	
Do.	Rock Island, Ill.	Chesapeake & Ohio-Chicago, Rock Island & Pacific.	770	310	.004	
Do.	Savanna, Ill.	Chesapeake & Ohio-Chicago, Milwaukee & St. Paul.	727	310	.0043	

¹Includes switching to connecting line.²All rates quoted above from New River district apply also from all points in group, ranging from mileage shown to 70 miles less.

Rail rates on bituminous coal, in cents per ton of 2,000 pounds—Continued.

From—	To—	Route.	Distance.		Rate.		Ton-mille rate, A.		Ton-mille rate, B.		Remarks.
			Mini-	Maxi-	A.	B.	Mini-	Maxi-	Mini-	Maxi-	
			mum.	mum.			mum dis-	mum dis-	mum dis-	mum dis-	
							tance.	tance.	tance.	tance.	
All points in New River district....	Newport News, Va....	Chesapeake & Ohio...	389	458	290	324	\$0.0094	\$0.0055	\$0.0076	\$0.0064	A. Rates are in cents per ton of 2,000 pounds for shipment beyond. B. Rates are in cents per ton of 2,000 pounds for local delivery.
Do.....	Newport News, Va....	do.....	403	472	294	324	.....	.....	.0073	.0062
Do.....	Portsmouth, Va....	do.....	403	472	294	324	.....	.....	.0073	.0062
Do.....	Portsmouth, Va....	do.....	403	472	294	324	.....	.....	.0073	.0062
All points in Kanawha district....	Newport News, Va....	do.....	481	550	280	304	.0056	.0047	.0066	.0054	A. Rates are in cents per ton of 2,000 pounds for shipment beyond. B. Rates are in cents per ton of 2,000 pounds for local delivery.
Do.....	Newport News, Va....	do.....	481	550	280	304	.....	.....	.0066	.0054
Do.....	Norfolk, Va....	do.....	475	544	304	324	.....	.....	.0084	.0074
Do.....	Portsmouth, Va....	do.....	475	544	304	324	.....	.....	.0084	.0074
All points in Big Sandy district....	Newport News, Va....	do.....	544	613	324	3540068	.0058	A. Rates are in cents per ton of 2,000 pounds for shipment beyond. B. Rates are in cents per ton of 2,000 pounds for local delivery.
Do.....	Newport News, Va....	do.....	544	613	324	354	.....	.....	.0068	.0058
Do.....	Norfolk, Va....	do.....	553	622	324	354	.....	.....	.0038	.0047
Do.....	Portsmouth, Va....	do.....	553	622	324	354	.....	.....	.0038	.0047

From—	To—	Route.	Distance.		Rate (see remarks).		Ton-mile rate, A.		Ton-mile rate, B.		Ton-mile rate, C.		Remarks.
			Mini-	Maxi-	A.	B.	Mini-	Maxi-	Mini-	Maxi-	Mini-	Maxi-	
Blackburg, Va., all points in group No. 1, Parrot, Va., and all points in Honaker, Va., and all points in group No. 3, Pocahontas district, Tug River district, Clinch Valley No. 1 District, Tacoma, Virginia, and all points in group No. 4, Clinch Valley, No. 2 district, Thacker, W. Va., and all points in group No. 5, Thacker district, Tug River & Kentucky R. R., Kenova, W. Va., and all points in group No. 6, Kenova district.	Norfolk, Va.	Norfolk & Western.	265	299	280	304	\$0.0085	\$0.0084	\$0.0091	\$0.0094	\$0.0094	\$0.0094	A. Rates in this column are per ton of 2,240 pounds when coal is for delivery to vessels destined outside of Virginia. Rates do not include charges for dumping, skidding, trimming, and/or leveling. B. Rates in this column are per ton of 2,240 pounds when coal is for delivery to vessels which do not go outside of Virginia. Rates do not include charges for dumping, skidding, trimming, and/or leveling. C. Rates in this column are per ton of 2,000 pounds for track delivery or barge delivery in harbor. When for barge delivery alongside vessel, rates are 20 cents per ton higher. Rates in columns A and B apply also to Lamberts Point, Va.—Norfolk & Western R. R.
	.....do.....	.....do.....	305	310	280	304	.0082	.0081	.0089	.0092	.0092	.0092
	.....do.....	.....do.....	379	429	280	304	.0086	.0058	.0072	.0063	.0078	.0069
	.....do.....	.....do.....	426	467	280	304	.0058	.0054	.0063	.0058	.0069	.0063
	.....do.....	.....do.....	434	458	280	314	.006	.0064	.0064	.0058	.007	.0063
	.....do.....	.....do.....	471	551	300	324	.0057	.0049	.0061	.0053	.0067	.0057

NOTE.—Ton-mile rates in columns A and B are obtained by reducing the rates shown for 2,240 pounds to the equivalent rate for 2,000 pounds.

STUDY OF COMMERCE THROUGH GULF PORTS.

Statistics have been prepared by the Board of Engineers for Rivers and Harbors showing the commerce of the principal Gulf ports during the last 10 years. These statistics were compiled from data contained in the Annual Reports of the Chief of Engineers. The information for years prior to 1916 is in some instances incomplete and general averages have therefore been based upon the period 1917-1919. The details of the study will be published in the reports now in preparation by the statistical division of the board on the important ports of the United States. Certain of the general tables are given below.

Based upon the total receipts and shipments for the three years 1917 to 1919, inclusive, New Orleans ranks first in grain; sugar, molasses, etc.; fruits and nuts; and rice and products. Galveston ranks first in cotton, while Mobile ranks first in logs and lumber, and coal and coke. The Sabine district takes first rank in the receipt and shipment of petroleum and products.

Receipts and shipments through Gulf ports, 1910-1919.

FRUITS AND NUTS.

[Quantities expressed in short tons.]

Port.	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Annual average 1917-1919.	Remarks.
RECEIPTS.												
Tampa, Fla.....								48,280	6,451	15,257	23,329	Receipts and shipments not segregated 1910-1916.
Carrabelle, Fla.....					32	48	68	37	66	156	86	Receipts and shipments not segregated 1910-1913.
Apalachicola, Fla.....						147	314	196	149	334	228	Do.
St. Josephs, Fla.....							69				365	Do.
St. Andrews, Fla.....					38	227	399		401	515	308	Not reported for 1910-11.
Pensacola, Fla.....			14	46	92	258	514	51,621	46,968	82,061	60,213	Receipts and shipments not segregated 1910-1915.
Mobile, Ala.....							61,910					Receipts and shipments not segregated 1910-1915.
New Orleans, La.....	399,778	444,356	349,299	432,365	394,888	363,614	438,981	394,555	422,020	462,917	433,177	Receipts and shipments not segregated 1910-1915. Receipts pertain principally to Orange, Tex.
Sabine district.....							300	750		15	255	
Sabine Pass, Tex.....												
Port Arthur, Tex.....												
Beaumont, Tex.....												
Orange, Tex.....												
Galveston, Tex.....	6,169	15,320	21,911	65,250	50,837	40,141	31,428	30,391	13,070	3,312	15,591	
Total.....								526,368	489,635	584,654	533,550	
SHIPMENTS.												
Tampa, Fla.....								1,196		5,046	2,081	Receipts and shipments not segregated 1910-1916.
Carrabelle, Fla.....									1			Receipts and shipments not segregated 1910-1913.
Apalachicola, Fla.....					30	3	71	71	7		26	Do.
St. Andrews, Fla.....						2	9	36	13	2	17	Do.
Pensacola, Fla.....			112	116	217	478	896	526	825	1,480	944	Not reported for 1910-11.
Mobile, Ala.....							507	470			157	Receipts and shipments not segregated 1910-1915.
New Orleans, La.....	8,174	7,066	8,144	1,204	4,989	3,861	5,330	4,531	13,377	32,703	16,870	Receipts and shipments not segregated 1910-1914.
Houston, Tex.....						96	102					
Galveston, Tex.....	2,693	326	1,500	6,935	11,303	35,628	190	16,207	14,605	40,891	23,901	
Total.....								23,037	28,628	80,122	43,996	

Receipts and shipments through Gulf ports, 1910-1919—Continued.

GRAIN.¹

[Quantities expressed in short tons.]

Port.	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Annual average 1917-1919.	Remarks.
RECEIPTS.												
Tampa, Fla.....								41,288	12,806	6,464	20,183	Receipts and shipments not segregated 1910-1916.
Carrabelle, Fla.....					2,765	1,199	2,102	1,534	168	331	678	Receipts and shipments not segregated 1910-1913.
Apalachicola, Fla.....					3,089	1,577	3,223	3,336	176	166	1,226	Do.
Sf. Andrews, Fla.....					3,788	3,832	3,156	4,310	500	217	1,676	Do.
Pensacola, Fla.....						505	1,422	1,171	47	425	548	Not reported for 1910-11.
Mobile, Ala.....								240		205	178	Receipts and shipments not segregated 1910-1915.
New Orleans, La.....	21		937	857				21	6,932	5,792	4,248	Receipts and shipments not segregated 1910-1916.
Galveston, Tex.....		2,532	18	26,875	75,951		5,548	27	88	2,421	845	
Araucan Pass, Tex.....										71	24	
Total.....								51,927	20,717	16,202	20,616	
SHIPMENTS.												
Tampa, Fla.....								3,000	2,063	519	1,860	Receipts and shipments not segregated 1910-1916.
Carrabelle, Fla.....							38	4			1	Receipts and shipments not segregated 1910-1913.
Apalachicola, Fla.....						2		139	24	7	57	Do.
Sf. Andrews, Fla.....					15,179	17,538	21,299	13,301	7,186	8,159	9,549	Not reported for 1910-11.
Pensacola, Fla.....			20,136	21,304			93,817	1,980	97,758	102,531	67,523	Receipts and shipments not segregated 1910-1915.
Mobile, Ala.....								1,408,913	1,536,887	1,038,341	1,328,044	Receipts and shipments not segregated 1910-1915.
New Orleans, La.....	265,587	256,331	420,177	683,547	1,184,064	1,276,795	1,122,099	5,964	1,536,887	1,038,341	1,328,044	Receipts and shipments not segregated 1910-1915.
Sabine district.....							750		17,813	7,785	7,785	Receipts and shipments not segregated 1910-1915.
Sabine Pass, Tex.....												Shipments pertain principally to Port Arthur.
Port Arthur, Tex.....												
Beaumont, Tex.....												
Orange, Tex.....												
Texas City, Tex.....	1,651	4,898	20,290	30,787	3,818	24,154			59,500	35,774	31,758	
Galveston, Tex.....	73,063	80,333	275,500	450,000	1,126,770	1,057,419	738,578	630,865	1,442,603	667,650	910,373	
Total.....								2,084,166	3,146,099	1,870,594	2,356,950	

PETROLEUM AND PRODUCTS.

[Quantities expressed in short tons.]

RECEIPTS.													
Charlotte, Fla.								387	524	435	449	Receipts and shipments not segregated 1910-1916.	
Tampa, Fla.								30, 572	30, 438	140, 398	67, 136	Do.	
Carrabelle, Fla.				9	10			42	16	1	20	Receipts and shipments not segregated 1910-1913.	
Apalachicola, Fla.				195	113			149	818	700	556	Do.	
St. Andrews, Fla.				86	345			126	821	827	591	Do.	
Pensacola, Fla.				10	57			357	393	21, 954	7, 568	Not reported for 1910-11.	
Mobile, Ala.								38, 883	48, 679	216, 162	101, 241	Receipts and shipments not segregated 1910-1915.	
Pascagoula, Miss.								209				Do.	
Blount, Miss.								146				Do.	
New Orleans, La.	151, 368	185, 812	329, 346	682, 838	412, 942	441, 723		914, 870	1, 390, 957	1, 377, 332	1, 227, 386	Receipts and shipments not segregated 1910-1915. Receipts pertain principally to Port Arthur.	
Sabine district.								762, 066	513, 627	767, 720	681, 138	Receipts and shipments not segregated 1910-1914.	
Sabine Pass, Tex.												Receipts and shipments not segregated 1910-1916.	
Port Arthur, Tex.												Not reported for 1910-1914.	
Beaumont, Tex.												Receipts and shipments not segregated 1915-16.	
Orange, Tex.												Receipts and shipments not segregated 1910-1916.	
Houston, Tex.						80, 502		3, 218	29, 868	84, 786	39, 291	Receipts and shipments not segregated 1910-1914.	
Texas City, Tex.								174, 868	173, 063	181, 672	176, 544	Receipts and shipments not segregated 1910-1916.	
Galveston, Tex.	69, 431	120, 137	2, 320	514, 853	637, 096	467, 223		69, 101	218, 247	64, 578	117, 309	Not reported for 1910-1914.	
Freeport, Tex.								200, 777	238, 013	299, 829	246, 206	Receipts and shipments not segregated 1915-16.	
Aranas Pass, Tex.								78, 656	120, 448	19, 763	72, 956	Receipts and shipments not segregated 1910-1916.	
Total.								2, 274, 102	2, 764, 912	3, 176, 157	2, 738, 391		
SHIPMENTS.													
Tampa, Fla.								24, 230		5, 562	9, 931	Receipts and shipments not segregated 1910-1916.	
Carrabelle, Fla.						2						Receipts and shipments not segregated 1910-1913.	
Apalachicola, Fla.										3	1	Do.	
St. Andrews, Fla.						1				2	1	Do.	
Pensacola, Fla.						903		771	1, 283	13, 718	5, 257	Not reported for 1910-11.	
Mobile, Ala.						554		3, 485	2, 063	27, 423	11, 000	Receipts and shipments not segregated 1910-1915.	
Gulfport, Miss.								93			31	Do.	
New Orleans, La.	14, 011	43, 063	230, 640	660, 281	1, 196, 555	1, 269, 902		1, 414, 057	2, 189, 721	2, 209, 277	1, 921, 018		

Includes wheat, flour, oats, barley, rye, corn, and preparations.

1 Includes wheat, flour, oats, barley, rye, corn, and preparations.

Receipts and shipments through Gulf ports, 1910-1919—Continued.

PETROLEUM AND PRODUCTS—Continued.

[Quantities expressed in short tons.]

Port.	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Annual average 1917-1919.	Remarks.
SHIPMENTS—contd.												
Sabine district.....							4,748, 237	6,310, 537	6,283, 379	6,817, 721	6,473, 879	Receipts and shipments not segregated 1910-1915. Shipments pertain principally to Port Arthur.
Sabine Pass, Tex.....												
Port Arthur, Tex.....												
Beaumont, Tex.....												
Orange, Tex.....						31,584	283,638	289,402	98,955	45,932	144,763	Receipts and shipments not segregated 1910-1914. Receipts and shipments not segregated 1910-1916. Do.
Houston, Tex.....												
Texas City, Tex.....								26,544	62,190	93,145	60,626	
Galveston, Tex.....	17,401	4,112	5,414	24,423	98,095	85,178	7,125	68,919	106,729	22,649	66,099	
Aransas Pass, Tex.....								10,596	10	6,240	5,615	
Total.....								8,149,634	8,704,360	9,241,672	8,698,221	

SUGAR, MOLASSES, ETC.

[Quantities expressed in short tons.]

Port.	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Annual average 1917-1919.	Remarks.
RECEIPTS.												
Tampa, Fla.....					54	26	28	7,107	5,455	3,369	5,310	Receipts and shipments not segregated 1910-1916. Receipts and shipments not segregated 1910-1913. Do.
Carrabelle, Fla.....								25	19	7	17	
Apalachicola, Fla.....					168	37	69	52	99	122	91	
St. Andrews, Fla.....					223	161	224	138	91	50	93	
Pensacola, Fla.....				263	645	635	356	211	330	180	224	Not reported for 1910-11. Receipts and shipments not segregated 1910-1915. Do.
Mobile, Ala.....			600				74,597	70,860	124,341	55,363	83,621	
Gulfport, Miss.....			297,146	403,796	350,712	338,746	444,969	619,768	3,010	1,780	1,590	
New Orleans, La.....	225,130	257,008							696,737	919,615	745,380	
Houston, Tex.....						72						Receipts and shipments not segregated 1910-1914.
Texas City, Tex.....		134	55	865								

Galveston, Tex.	4,300	25,200	15,881	31,000	37,940	45,089	1,000	53,083	26,261	65,925	48,023
Total								761,864	856,343	1,046,871	884,859
SHIPMENTS.											
Tampa, Fla.											
Carrabelle, Fla.										115	38
St. Andrews, Fla.										77	27
Pensacola, Fla.			531	378	440	431	776	9	1	310	280
Mobile, Ala.							1,010	403	1,006		469
New Orleans, La.	115,000	128,108	92,069	76,333	54,471	39,416	68,967	141,250	54,175	163,633	119,703
Texas City, Tex.	155	2,682	1,360	734	884	5,007		4,636	40	2,508	1,866
Galveston, Tex.										23	1,567
Total								146,643	55,513	166,706	122,933

Receipts and shipments not segregated 1910-1916.

Receipts and shipments not segregated 1910-1913.

Do.

Not reported for 1910-11.

Receipts and shipments not segregated 1910-1915.

38

27

3

280

469

119,703

1,866

1,567

LOGS AND LUMBER.

[Quantities expressed in short tons.]

[illegible]

Receipts and shipments through Gulf ports, 1910-1919—Continued.

LOGS AND LUMBER—Continued.

[Quantities expressed in short tons.]

Port.	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Annual average 1917-1919.	Remarks.
SHIPMENTS.												
Charlotte, Fla.								180	1,082		411	Receipts and shipments not segregated 1910-1916.
Tampa, Fla.								33,078	39,595	24,975	32,549	Do.
Carrabelle, Fla.					14,016	3,460	1,476					Receipts and shipments not segregated 1910-1913.
Apalachicola, Fla.					14,189	8,348	2,511	244	4,563	550	1,769	Do.
St. Joseph, Fla.					11,287	3,321	10,062	7,964	2,761	1,215	3,977	Do.
St. Andrews, Fla.					93,853	100,520	86,886	83,025	37,215	43,860	44,710	Do.
Pensacola, Fla.			413,492	567,722	426,862	268,449	265,871	145,513	95,008	121,898	120,908	Not reported for 1910-11.
Mobile, Ala.							254,442	513,719	256,440	539,019	456,363	Receipts and shipments not segregated 1910-1915.
Pascagoula, Miss.							116,350	115,024	67,548	66,238	87,137	Do.
Gulport, Miss.							228,622	215,463	112,342	208,444	178,753	Do.
Blount, Miss.							200	1,806	416	35	752	Receipts and shipments not segregated 1910-1916.
New Orleans, La.	1,034,291	1,346,387	1,439,262	1,398,526	817,536	455,803	421,200	357,320	328,612	600,004	428,646	Receipts and shipments not segregated 1910-1915.
Sabine district.							147,852	86,160	106,067	94,963	96,730	Do.
Sabine Pass, Tex.												Receipts and shipments not segregated 1910-1914.
Port Arthur, Tex.												Do.
Beaumont, Tex.												Receipts and shipments not segregated 1910-1916.
Orange, Tex.												Receipts and shipments not segregated 1910-1915.
Port Bolivar, Tex.												Do.
Houston, Tex.							61,287	17,866	12,325	5,900	12,040	Receipts and shipments not segregated 1910-1914.
							2,642	4,319		1,066	1,805	Do.
Texas City, Tex.								1,625	2,017	18,086	7,243	Receipts and shipments not segregated 1910-1916.
Galveston, Tex.	94,081	146,189	225,205	225,393	174,052	62,366	97,309	68,880		98,469	55,783	Receipts and shipments not segregated 1910-1915.
Aransas Pass, Tex.									35		12	Do.
Total.								1,628,106	1,065,994	1,894,782	1,509,616	

COAL AND COKE.

[Quantities expressed in short tons.]

RECEIPTS.												Receipts and shipments not segregated 1910-1915.
Receipts.												
Tampa, Fla.....										5,319		1, 773
Carabelle, Fla.....								3	18			3
Apalachicola, Fla.....								12			12	24
St. Andrews, Fla.....								14	96		17	30
Pensacola, Fla.....												Receipts and shipments not segregated 1910-1915.
Mobile, Ala.....												Do.
Pascagoula, Miss.....												Receipts and shipments not segregated 1910-1915.
Gulfport, Miss.....												Do.
New Orleans, La.....	2, 362											Not reported for 1910-11.
Sabine district.....												Receipts and shipments not segregated 1910-1915.
Sabine Pass, Tex.....												Do.
Port Arthur, Tex.....												Do.
Beaumont, Tex.....												Receipts and shipments not segregated 1910-1915. Receipts of 231 tons pertain to Sabine Pass.
Orange, Tex.....												Receipts and shipments not segregated 1910-1914.
Houston, Tex.....								6, 000				Receipts and shipments not segregated 1910-1916.
Texas City, Tex.....												
Galveston, Tex.....	540	840	389	1, 620	60, 047	36, 538					1, 359	450
Aransas Pass, Tex.....											400	133
Total.....										50, 477	32	17
SHIPMENTS.												Receipts and shipments not segregated 1910-1913.
Shipments.												
St. Andrews, Fla.....											2	5
Pensacola, Fla.....												Not reported 1910-11.
Mobile, Ala.....												Receipts and shipments not segregated 1910-1915.
Gulfport, Miss.....												Do.
New Orleans, La.....	20, 681	9, 662	10, 898	20, 333	23, 241	14, 608						Do.
Sabine district.....												
Sabine Pass, Tex.....												
Port Arthur, Tex.....												
Beaumont, Tex.....												
Orange, Tex.....												
Texas City, Tex.....												Receipts and shipments not segregated 1910-1916.
Galveston, Tex.....				36							2, 756	609
Total.....											5, 007	1, 669
												227, 173

Receipts and shipments through Gulf ports, 1910-1919—Continued.

RICE AND PRODUCTS.

[Quantities expressed in short tons.]

Port.	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Annual average, 1917-1919.	Remarks.
RECEIPTS.												
Tampa, Fla.								3,172	1,642	717	1,877	Receipts and shipments not segregated 1910-1913. Receipts pertain principally to Port Arthur.
New Orleans, La.	4,771	3,401	3,192	6,041	6,271	2,816	1,682	525	1,435	3,968	1,946	
Sabine district.											450	
Sabine Pass, Tex.												
Port Arthur, Tex.												
Beaumont, Tex.												Receipts and shipments not segregated 1910-1914.
Orange, Tex.						31,500						
Houston, Tex.												
Texas City, Tex.	94	59	91	27								
Galveston, Tex.	2,933	1,207	1,789	2,849	2,999	25						
Total.								5,048	3,077	4,715	4,313	
SHIPMENTS.												
New Orleans, La.	45,335	88,398	49,111	32,646	65,331	51,099	128,157	153,943	154,561	113,509	140,671	Receipts and shipments not segregated 1910-1913. Shipments pertain principally to Port Arthur.
Sabine district.							9,470	23	1,788	3	605	
Sabine Pass, Tex.												
Port Arthur, Tex.												
Beaumont, Tex.												
Orange, Tex.												Receipts and shipments not segregated 1910-1914.
Houston, Tex.						1,332	8,635	14,552			4,851	
Texas City, Tex.												
Galveston, Tex.	67,940	56,435	23,028	21,839	21,882	27,033	20,036	44,808	33,664	18,801	17,488	
Total.								213,326	250,873	171,103	211,768	

COTTON.

[Quantities expressed in short tons.]

RECEIPTS.										Not reported for 1910-11. Receipts and shipments not segregated 1910-1915.									
Pensacola, Fla.....	.....	806	40	50	768	8	4,562	41	56	62	53	.....	.....	.....	.....	.....	.....	.....	.....
Mobile, Ala.....	.....	.....	.....	.....	.....	.....	.....	2,308	93	550	987	.....	.....	.....	.....	.....	.....	.....	.....
New Orleans, La.....	.....	315	.....	.....	.....	.....	.....	73	864	3,054	1,330	.....	.....	.....	.....	.....	.....	.....	.....
Sabine district.....	.....	.....	.....	.....	1,162	354	.....	150	.....	300	160	.....	.....	.....	.....	.....	.....	.....	.....
Sabine Pass, Tex.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Arthur, Tex.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Beaumont, Tex.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Orange, Tex.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Galveston, Tex.....	.....	.....	.....	2,122	8,968	.....	.....	181	109	100	130	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	.....	.....	.....	.....	.....	.....	.....	2,753	1,122	4,075	2,650	.....	.....	.....	.....	.....	.....	.....	.....
SHIPMENTS.										Not reported for 1910-11. Receipts and shipments not segregated 1910-1915.									
Pensacola, Fla.....	.....	53,472	37,839	15,753	24,649	18,946	.....	6,898	2,455	4,103	4,482	.....	.....	.....	.....	.....	.....	.....	.....
Mobile, Ala.....	.....	.....	.....	.....	.....	44,143	.....	38,108	18,354	36,096	30,853	.....	.....	.....	.....	.....	.....	.....	.....
New Orleans, La.....	.....	458,672	357,286	404,720	449,826	362,888	.....	244,044	224,068	378,027	282,046	.....	.....	.....	.....	.....	.....	.....	.....
Sabine district.....	.....	.....	.....	.....	.....	15,460	.....	5,519	.....	.....	2,056	.....	.....	.....	.....	.....	.....	.....	.....
Sabine Pass, Tex.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Arthur, Tex.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Beaumont, Tex.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Orange, Tex.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Houston, Tex.....	.....	.....	.....	.....	21,268	4,710	.....	23,509	.....	11,884	11,798	.....	.....	.....	.....	.....	.....	.....	.....
Texas City, Tex.....	.....	.....	.....	.....	.....	.....	.....	17,102	4,128	35,721	18,984	.....	.....	.....	.....	.....	.....	.....	.....
Galveston, Tex.....	.....	1,174,066	1,021,365	871,755	975,625	642,450	.....	505,759	341,417	621,991	489,722	.....	.....	.....	.....	.....	.....	.....	.....
Aranas Pass, Tex.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	.....	.....	.....	.....	.....	.....	.....	840,829	591,072	1,067,947	839,983	.....	.....	.....	.....	.....	.....	.....	.....

Water-borne commerce of Pensacola, Fla., for the calendar years 1912-1919.

SUMMARY OF FOREIGN AND DOMESTIC COMMERCE.

[Quantities expressed in short tons.]

Year.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.	
1912.....	176,996	738,120	914,516	293,902	63,561	357,463	1,271,979
1913.....	102,147	946,783	1,048,930	350,856	75,264	426,120	1,475,050
1914.....	107,523	735,596	842,919	269,661	51,622	321,583	1,164,502
1915.....	42,531	494,038	536,569	244,707	89,590	334,297	871,166
1916.....	102,034	462,346	565,380	168,701	76,463	245,164	810,544
1917.....	69,042	243,143	312,185	161,084	50,789	211,873	524,058
1918.....	57,636	164,298	221,933	118,933	42,972	161,905	383,838
1919.....	53,123	251,691	304,814	107,559	46,224	153,783	458,597

SUMMARY OF COMMERCE BY CLASSES.

[Quantities expressed in short tons.]

Year.	Animals and animal products (except wool and hair).	Vegetable food products.	Other vegetable products (except fibers).	Textiles.	Wood and paper.	Nonmetallic minerals.	Ores and metals.	Machinery and vehicles.	Chemicals.	Unclassified.	Total.
Total—											
1912.....	64	41,326	132,167	54,870	716,530	156,813	120,957	33,120	.....	16,132	1,271,979
1913.....	7,059	29,422	198,097	38,407	928,101	140,974	57,835	2	36,987	38,166	1,475,050
1914.....	7,566	31,754	148,301	16,219	693,702	148,738	66,061	4	28,484	23,673	1,164,502
1915.....	5,048	35,430	89,872	25,422	522,438	105,646	45,252	.....	13,030	29,028	871,166
1916.....	7,274	25,303	98,867	18,954	443,327	111,283	50,135	603	26,064	28,734	810,544
1917.....	4,713	17,805	52,936	6,945	282,460	30,432	77,364	60	23,263	28,080	524,058
1918.....	4,060	9,797	17,998	2,511	196,119	62,942	26,787	.....	40,213	23,411	383,838
1919.....	3,753	11,818	23,320	4,165	213,693	136,243	28,317	.....	16,355	20,933	458,597
Foreign: Imports—											
1912.....	.....	.....	12	490	44,353	1,600	94,421	.....	32,376	3,144	176,396
1913.....	.....	7	.....	523	24,396	8,360	34,273	.....	29,203	5,385	102,147
1914.....	.....	.....	10	415	28,275	5,900	44,099	.....	27,683	939	107,323
1915.....	.....	3	.....	.....	12,025	3,275	15,900	.....	11,628	.....	42,831
1916.....	.....	.....	16	.....	33,295	7,525	36,430	.....	24,768	.....	102,034
1917.....	5	.....	71	5	19,493	.....	44,751	.....	4,717	.....	69,042
1918.....	336	.....	11	.....	7,927	.....	16,535	.....	32,815	11	57,635
1919.....	.....	151	74	.....	32,075	.....	9,034	.....	11,787	2	53,123
Exports—											
1912.....	.....	10,352	93,070	53,360	414,567	145,498	21,212	.....	.....	61	738,120
1913.....	6	6,471	160,435	37,839	597,301	121,348	17,772	2	5,599	40	946,783
1914.....	.....	14,632	122,199	15,654	429,971	132,075	21,063	.....	.....	2	735,596
1915.....	.....	15,522	49,594	24,612	288,881	89,409	25,983	.....	.....	37	494,038
1916.....	1,668	4,916	54,730	18,946	282,392	89,115	10,726	603	250	.....	463,346
1917.....	199	2,224	13,599	6,888	152,241	20,824	30,103	.....	17,065	.....	243,143
1918.....	.....	.....	1,387	2,455	91,574	53,981	8,427	.....	6,474	.....	164,298
1919.....	.....	1,269	4,363	4,028	121,248	100,299	16,833	.....	3,638	13	251,691
Domestic: Receipts—											
1912.....	15	614	35,568	908	255,893	135	.....	.....	.....	799	293,902
1913.....	6,947	574	34,862	45	304,175	470	.....	.....	15	3,768	350,856
1914.....	7,530	778	24,417	50	232,986	10	26	2	.....	3,862	269,661
1915.....	4,999	1,448	34,446	768	190,705	73	425	.....	2	.....	244,707
1916.....	5,549	2,292	39,894	8,113	146	26	565	.....	.....	7,221	168,701
1917.....	4,481	1,889	36,985	51	100,303	445	650	53	.....	7,227	161,084
1918.....	4,023	1,162	15,951	56	92,973	462	632	.....	4	3,670	118,933
1919.....	3,733	548	18,290	62	59,127	22,061	418	.....	.....	3,320	107,559
Shipments—											
1912.....	49	30,360	3,517	112	1,747	9,580	5,324	.....	744	12,128	63,561
1913.....	106	22,370	2,800	.....	2,229	10,796	5,790	.....	2,200	28,973	75,264
1914.....	36	16,342	1,675	100	2,470	10,753	873	2	801	18,870	51,622
1915.....	49	18,457	5,832	42	21,827	12,889	2,944	.....	1,400	26,150	89,590
1916.....	57	18,095	4,227	.....	14,494	14,617	2,414	.....	1,046	21,513	76,463
1917.....	28	13,602	2,281	1	1,423	9,163	1,860	7	1,481	20,853	50,789
1918.....	37	8,299	649	.....	3,445	8,499	1,193	.....	920	19,730	42,972
1919.....	20	9,850	664	75	1,172	13,883	2,032	.....	930	17,598	46,224

Water-borne commerce of Mobile, Ala., for the calendar years 1910-1919.

SUMMARY OF FOREIGN AND DOMESTIC COMMERCE.

[Quantities expressed in short tons.]

Year.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.	
1910 ¹							1,377,901
1911 ¹							1,412,350
1912 ¹							1,521,637
1913 ¹							1,597,300
1914 ¹							1,758,457
1915			739,325			840,479	1,579,804
1916	218,627	606,422	824,049	554,953	294,018	848,971	1,673,020
1917	372,608	829,784	1,202,392	374,017	239,875	613,892	1,816,284
1918	200,408	557,824	758,232	444,676	121,064	565,740	1,323,967
1919	193,647	1,016,548	1,210,195	652,612	107,831	760,443	1,970,638

¹ Commerce not segregated into foreign and domestic.

SUMMARY OF COMMERCE, BY CLASSES.

[Quantities expressed in short tons.]

Year.	Animals and animal products (except wool and hair.	Vegetable food products and beverages.	Other vegetable products (except fibers).	Textiles.	Wood and paper.	Non-metallic minerals.	Ores and metals.	Machinery and vehicles.	Chemicals.	Un-classified.	Total.
Total:											
1910 ¹	20,385	190,424	61,675	65,326	748,800	21,863	57,991			202,407	1,377,901
1911 ¹	48,515	264,073	37,909	64,074	751,638	18,621	66,283		3,353	157,904	1,412,350
1912 ¹	27,930	251,840	52,302	76,226	803,285	48,033	83,692		4,656	173,663	1,521,637
1913 ¹	15,240	224,902	48,161	78,951	988,585	51,696	58,527		9,224	122,014	1,597,300
1914 ¹	11,405	201,236	84,152	50,035	997,141	81,813	120,523		7,746	114,406	1,758,457
1915 ²	32,997	297,687	84,860	46,915	577,671	293,037	101,733	239	8,197	136,468	1,579,804
1916	29,113	329,745	88,500	48,859	664,237	305,648	57,885	2,558	6,089	140,326	1,673,020
1917	16,008	182,259	54,214	40,786	804,908	290,391	311,597	4,911	18,322	92,888	1,816,284
1918	2,833	279,008	24,124	18,447	458,330	345,227	47,309	9,048	9,986	129,660	1,323,967
1919	14,155	245,718	39,222	36,655	937,881	542,162	77,472	17,987	24,743	34,643	1,970,638
Foreign:											
Imports and exports—											
1915	8,458	231,182	34,972	27,560	235,660	96,497	45,921		2,315	56,730	739,325
Domestic:											
Receipts and ship- ments—											
1915	24,539	66,505	49,888	19,325	342,011	196,414	55,812	239	5,882	79,738	840,479
Foreign:											
Imports—											
1916		134,849	24,414			9,741	42,395			7,228	218,627
1917		122,412			2,692	10,938	230,925		4,966	675	372,008
1918		171,309	3,837		11,322	2,841			9,458	1,636	200,408
1919		137,414	6,992		9,458	12,097			23,128	4,558	193,647
Exports—											
1916	15,000	91,764	27,788	39,589	285,558	61,380	11,079	2,558		70,706	606,422
1917	11,808	23,825	27,451	31,271	520,233	73,915	76,560	3,239	6,799	54,683	829,784
1918		96,642	8,719	16,808	264,615	9,915	44,810	6,526		107,989	567,824
1919	12,603	101,732	24,168	35,846	628,913	106,468	75,870	14,413	1,052	15,483	1,016,548
Domestic:											
Receipts—											
1916	13,644	59,641	19,072	4,716	329,332	39,359	1,006		2,091	26,092	554,953
1917	3,981	1,822	13,469	2,678	245,539	84,570	2,057	727	3,204	15,970	374,017
1918	2,733		4,214		93,149	274,446	249	1,188		12,339	444,676
1919	1,552	675	2,124	559	267,345	399,150	1,386	1,282		8,539	652,612
Shipments—											
1916	469	43,491	17,286	4,554	49,347	135,168	3,405		3,998	36,300	294,018
1917	219	34,200	13,294	6,837	36,444	120,968	2,055	945	3,353	21,560	239,875
1918	100	9,052	7,354	1,746	32,979	58,025	2,250	1,334		528	121,064
1919		5,897	5,938	250	32,165	54,447	216	2,292		563	107,831

¹ Commerce not segregated into foreign and domestic.² Commerce not segregated into imports and exports.

Water-borne commerce of New Orleans, La., for the calendar years 1910-1919.

SUMMARY OF FOREIGN AND DOMESTIC COMMERCE.

[Quantities expressed in short tons.]

Year.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total foreign.	Receipts.	Shipments.	Total domestic.	
1910.....	1,104,479	2,098,298	3,202,777	411,129	350,203	761,332	3,964,109
1911.....	1,251,491	2,503,214	3,754,705	379,473	353,548	733,021	4,487,726
1912.....	1,321,486	2,952,461	4,273,947	274,803	511,080	785,883	5,059,830
1913.....	1,792,093	3,578,398	5,370,491	468,578	603,863	1,072,441	6,442,932
1914.....	1,472,323	3,580,737	5,053,060	381,198	858,754	1,239,952	6,273,012
1915.....	1,487,864	3,764,611	5,252,475	363,860	919,762	1,283,622	6,536,097
1916.....	1,628,925	4,526,030	6,154,955	377,841	767,631	1,145,472	7,300,427
1917.....	2,307,143	4,093,273	6,400,416	357,907	1,256,214	1,614,121	8,014,537
1918.....	2,906,090	3,930,676	6,836,766	352,836	1,895,542	2,248,378	9,085,144
1919.....	2,881,385	4,202,503	7,083,888	405,206	1,406,587	1,811,793	8,895,681

SUMMARY OF COMMERCE, BY CLASSES.

[Quantities expressed in short tons.]

	1910	1911	1912	1913	1914
IMPORTS.					
Animals and animal products (except wool and hair).....	910	389	435	413	396
Vegetable food products and beverages.....	767,455	834,489	795,529	979,790	888,446
Other vegetable products (except fibers).....	45,862	46,966	51,865	73,366	110,473
Textiles.....	14,639	1,697	41,137	63,210	24,788
Wood and paper.....	72,401	69,371	77,319	96,536	51,452
Nonmetallic minerals.....	7,783	52,569	230,773	443,930	283,709
Ores and metals.....	47,132	51,955	58,794	42,891	90,205
Chemicals.....	138,458	142,702	28,927	68,055	50,260
Unclassified.....	9,839	51,353	36,707	23,912	42,594
Total.....	1,104,479	1,251,491	1,321,486	1,792,093	1,472,323
EXPORTS.					
Animals and animal products (except wool and hair).....	38,501	77,117	31,212	46,897	68,576
Vegetable food products and beverages.....	326,505	362,330	512,316	726,317	1,238,295
Other vegetable products (except fibers).....	212,987	224,011	224,161	255,009	245,702
Textiles.....	361,826	368,255	435,103	341,832	383,722
Wood and paper.....	1,058,547	1,343,041	1,414,558	1,500,677	819,217
Nonmetallic minerals.....	31,383	49,324	209,623	572,055	738,724
Ores and metals.....	23,739	28,322	49,586	50,738	38,668
Machinery and vehicles.....	30,712	23,838	29,797	50,588	29,992
Chemicals.....	9,253	13,091	13,844	11,601	9,027
Unclassified.....	4,845	13,885	32,261	22,684	8,784
Total.....	2,098,298	2,503,214	2,952,461	3,578,398	3,580,737
DOMESTIC RECEIPTS.					
Vegetable food products and beverages.....	3,519	6,145	1,787	1,505	10,887
Other vegetable products (except fibers).....	845	6,054			
Wood and paper.....	33,145	698	1,979	214	1,151
Nonmetallic minerals.....	225,491	193,227	156,841	284,394	163,658
Ores and metals.....	17,829	4,296	31,419	16,932	17,968
Machinery and vehicles.....					4,879
Chemicals.....		18,375	273	15,237	28,714
Unclassified.....	130,300	150,678	82,504	150,296	133,941
Total.....	411,129	379,473	274,803	468,578	361,196
DOMESTIC SHIPMENTS.					
Animals and animal products (except wool and hair).....			984		
Vegetable food products and beverages.....	148,752	175,029	128,950	112,932	101,431
Other vegetable products.....			5,157	7,783	5,280
Textiles.....	33,517	21,131	28,349	20,116	25,517
Wood and paper.....	79,792	69,490	100,145	133,344	97,143
Nonmetallic minerals.....	8,455	13,029	59,600	143,559	522,907
Ores and metals.....	186	5,004	1,021	13,347	17,513
Machinery and vehicles.....					4,130
Chemicals.....		1,862			
Unclassified.....	79,501	68,003	186,874	172,782	84,833
Total.....	350,203	353,548	511,080	603,863	858,754
Grand total.....	3,964,109	4,487,726	5,059,930	6,442,932	6,273,012

Water-borne commerce of New Orleans, La., for the calendar years 1910-1919—Contd.

SUMMARY OF COMMERCE, BY CLASSES—Continued.

[Quantities expressed in short tons.]

	1915	1916	1917	1918	1919
IMPORTS.					
Animals and animal products (except wool and hair).....	3,366	2,267	1,903	786	2,479
Vegetable food products and beverages.....	866,566	970,675	1,161,683	1,130,428	1,494,835
Other vegetable products (except fibers)....	89,682	133,765	67,067	94,280	91,202
Textiles.....	30,940	26,481	28,489	20,090	26,428
Wood and paper.....	49,532	48,590	72,833	73,619	24,086
Nonmetallic minerals.....	340,540	318,248	790,165	1,268,506	1,214,907
Ores and metals.....	48,010	24,265	22,872	16,084	1,110
Chemicals.....	9,335	88,206	112,754	208,622	20,353
Unclassified.....	17,893	16,426	49,377	5,616	5,922
Total.....	1,487,864	1,628,925	2,307,143	2,908,030	2,881,385
EXPORTS.					
Animals and animal products (except wool and hair).....	257,821	82,030	101,642	61,380	90,243
Vegetable food products and beverages.....	1,352,434	1,184,991	1,542,816	1,692,508	1,245,250
Other vegetable products (except fibers)....	206,738	189,638	40,524	55,036	259,192
Textiles.....	402,122	342,425	218,223	211,073	386,511
Wood and paper.....	487,682	432,406	468,768	407,508	716,915
Nonmetallic minerals.....	800,125	1,513,684	678,950	684,749	1,183,134
Ores and metals.....	194,321	669,620	908,623	589,705	197,541
Machinery and vehicles.....	27,193	51,091	100,438	153,412	67,251
Chemicals.....	17,481	30,788	8,101	25,215	16,835
Unclassified.....	16,694	29,357	25,193	50,090	39,631
Total.....	3,764,611	4,526,030	4,068,273	3,930,676	4,202,503
DOMESTIC RECEIPTS.					
Animals and animal products (except wool and hair).....			377	146	2,542
Vegetable food products and beverages.....	12,125	64,306	6,115	84,800	109,886
Other vegetable products (except fibers)....			371	264	2,824
Textiles.....	1,162	243	73	9,319	8,976
Wood and paper.....	202	2,129	365	8,328	5,412
Nonmetallic minerals.....	120,170	180,356	156,320	143,349	170,883
Ores and metals.....	32,906	10,378	11,106	5,749	5,637
Machinery and vehicles.....	4,239	8,168	9,943	2,114	1,801
Chemicals.....	40,194	16,642	25,069	21,862	13,778
Unclassified.....	152,862	96,619	148,168	76,905	83,467
Total.....	363,860	377,841	357,907	352,836	406,206
DOMESTIC SHIPMENTS.					
Animals and animal products (except wool and hair).....			1,011	415	1,640
Vegetable food products and beverages.....	74,421	206,658	224,360	155,522	163,391
Other vegetable products.....			97	13,706	19,159
Textiles.....	52,852	29,242	36,652	34,422	29,242
Wood and paper.....	81,136	92,182	44,540	25,969	25,636
Nonmetallic minerals.....	526,406	317,185	791,251	1,587,075	1,086,845
Ores and metals.....	32,496	15,106	11,448	7,364	4,278
Machinery and vehicles.....	361	619	1,010	710	643
Chemicals.....		8,918	5,746	3,104	7,417
Unclassified.....	152,188	95,721	140,099	67,255	68,336
Total.....	919,762	767,631	1,256,214	1,895,542	1,406,587
Grand total.....	6,536,097	7,300,427	8,014,537	9,087,084	8,895,681

Water-borne commerce of Sabine Pass, Tex., for the calendar years 1910-1919.¹

SUMMARY OF FOREIGN AND DOMESTIC COMMERCE.

[Quantities expressed in short tons.]

Year.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.	
1910 ¹							2,304,113
1911 ¹							2,443,962
1912 ¹							3,106,375
1913 ¹							4,758,418
1914 ¹							5,599,468
1915 ¹							6,001,885
1916	276,265	2,189,843	2,466,108	244,540	3,119,484	3,364,024	5,830,132
1917	320,407	3,440,923	3,761,330	465,600	3,778,189	4,243,789	8,005,119
1918	348,388	2,655,490	3,003,878	174,373	4,062,936	4,237,309	7,261,187
1919	590,330	2,213,673	2,804,003	186,285	5,150,543	5,336,828	8,140,831

¹ Includes receipts and shipments at Port Arthur, Beaumont, and Orange.

² Commerce not segregated into foreign and domestic.

SUMMARY OF COMMERCE, BY CLASSES.

[Quantities expressed in short tons.]

Years.	Animals and animal products (except wool and hair).	Vegetable food products and beverages.	Other vegetable products (except fibers).	Textiles.	Wood and paper.	Non-metallic minerals.	ores and metals.	Machinery and vehicles.	Chemicals.	Unclassified.	Total.
Total:											
1910 ¹		37,093		38,053	190,747	2,029,626	1,925	4,680	734	1,255	2,304,113
1911 ¹	110	59,379		51,577	230,080	2,091,204	8,224	748	33	2,607	2,443,962
1912 ¹		72,902		36,956	171,234	2,803,935	9,924	1,791	657	2,976	3,106,375
1913 ¹		95,908		20,087	411,165	4,210,129	11,155	1,102	1,224	8,648	4,758,418
1914 ¹	412	140,019	172	7,963	175,463	5,213,959	20,969	1,186	2,851	6,469	5,599,468
1915 ¹	410	80,366	954	17,777	153,963	5,696,587	37,664	780	1,016	12,308	6,001,885
1916	7,013	22,891	335	15,460	114,532	5,625,297	27,957	424	2,528	13,695	5,830,132
1917	15	8,405		5,519	87,473	7,484,334	11,828	2,882	1,520	403,143	8,005,119
1918		238		650	106,559	7,133,608	2,665	2,412	1,197	13,858	7,261,187
1919	10	15,760			64,471	7,906,247	137,335	3,149	1,363	12,496	8,140,831
Foreign:											
Imports—											
1916						276,121				144	276,265
1917		30				320,399				8	320,437
1918						348,388					348,388
1919						590,330					590,330
Exports—											
1916		12,491		15,380	78,337	2,082,205	349	126		955	2,189,843
1917		6,947		5,519	86,964	2,946,369	6,120	2,297		386,707	3,440,923
1918				650	83,429	2,558,652	1,518	912		10,091	2,655,490
1919	10	15,760			64,471	1,987,975	134,794	3,071	5	7,587	2,213,673
Domestic:											
Receipts—											
1916	7,000					232,524	200	298	2,528	1,990	244,540
1917		26				441,667	5,708	585	1,520	16,094	465,600
1918						166,932	1,147	1,500	1,197	3,597	174,373
1919						177,399	2,541	78	1,358	4,909	186,285
Shipments—											
1916	13	10,400	335	80	36,195	3,031,447	27,408			10,006	3,119,484
1917	15	1,432			509	3,775,899				334	3,778,189
1918					23,130	4,059,636				170	4,062,936
1919						5,150,543					5,150,543

¹ Commerce not segregated into foreign and domestic.

Water-borne commerce of Port Arthur, Tex., for the calendar years 1910-1919.¹

SUMMARY OF FOREIGN AND DOMESTIC COMMERCE.

[Quantities expressed in short tons.]

Year.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.	
1910 ²							1,674,316
1911 ²							1,880,017
1912 ²							2,050,362
1913 ²							3,171,758
1914 ²							4,100,928
1915 ²							4,533,864
1916	143,720	2,189,843	2,333,563	299,280	2,366,364	2,665,644	4,999,207
1917	238,494	3,043,804	3,282,298	516,407	3,185,581	3,701,988	6,984,286
1918	260,899	2,259,278	2,520,177	13,568	3,422,685	3,436,408	5,956,580
1919	581,903	1,961,790	2,543,693	61,848	4,342,770	4,404,618	6,948,311

¹ Includes receipts and shipments at Beaumont and Orange.

² Commerce not segregated into foreign and domestic.

SUMMARY OF COMMERCE, BY CLASSES.

[Quantities expressed in short tons.]

Years.	Animals and animal products (except wool and hair).	Vegetable food products and beverages.	Other vegetable products (except fibers).	Textiles.	Wood and paper.	Non-metallic minerals.	Cres and metals.	Machinery and vehicles.	Chemicals.	Unclassified.	Total.
Total:											
1910 ¹		37,093		38,053	166,533	1,424,170	1,925	4,553	734	1,255	1,674,316
1911 ¹	110	59,671		53,586	230,080	1,530,303	3,275	506	33	2,453	1,880,017
1912 ¹		73,176		36,806	171,234	1,754,616	9,149	1,791	614	2,976	2,050,362
1913 ¹		116,858		19,826	411,165	2,601,834	11,155	96	1,224	9,600	3,171,758
1914 ¹	412	155,744	172	7,963	174,826	3,728,645	20,988	1,191	2,851	8,136	4,100,928
1915 ¹		99,316	954	17,777	153,650	4,208,225	37,653	797	1,016	14,476	4,533,864
1916	13	22,801	335	15,460	114,532	4,801,372	27,957	424	2,528	1,990	4,999,207
1917	15	8,405		5,519	87,473	6,468,703	11,546	1,821	1,520	403,155	6,984,286
1918	282	238		650	105,971	2,518,036	2,665	2,412	1,197	13,149	5,956,580
1919	10	18,086			64,471	6,684,755	137,335	3,149	1,363	39,142	6,948,311
Foreign:											
Imports—											
1916						143,576				144	143,720
1917						238,456				8	238,494
1918						260,899					260,899
1919						581,903					581,903
Exports—											
1916		12,491		15,380	78,337	2,082,205	349	126		955	2,189,843
1917		6,947		5,519	86,964	2,554,311	6,120	1,236		386,707	3,043,804
1918	282	238		650	83,429	2,162,158	1,518	912		10,091	2,259,278
1919	10	15,760			64,471	1,736,092	134,794	3,071	5	7,587	1,961,790
Domestic:											
Receipts—											
1916						294,264	200	298	2,528	1,990	299,280
1917		26				492,744	5,426	585	1,520	16,106	516,407
1918						6,666	1,147	1,500	1,197	3,058	13,568
1919						52,962	2,541	78	1,358	4,909	61,848
Shipments—											
1916	13	10,400	335	80	36,195	2,281,327	27,408			10,606	2,366,364
1917	15	1,432			509	3,183,291				334,3	3,185,581
1918					22,542	3,400,293					3,422,685
1919		2,326				4,313,798				26,646	4,342,770

¹ Commerce not segregated into foreign and domestic.

Water-borne commerce of Beaumont, Tex., for the calendar years 1910-1919.

SUMMARY OF FOREIGN AND DOMESTIC COMMERCE.

[Quantities expressed in short tons.]

Year.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.	
1910 ¹							106,968
1911							235,394
1912							216,173
1913							221,519
1914							157,797
1915							295,984
1916	114,895	207,539	322,434	143,999	207,625	351,624	674,058
1917	149,268	500,338	649,606	150,765	265,939	416,704	1,066,310
1918	121,436	335,383	456,819	1,462	651,766	653,228	1,110,047
1919	233,500	959,995	1,193,495	46,688	927,918	974,606	2,167,801

¹ Commerce not segregated into foreign and domestic.

SUMMARY OF COMMERCE, BY CLASSES.

[Quantities expressed in short tons.]

Year.	Animals and animal products.	Vegetable food products except fibers.	Other vegetable products.	Textiles.	Wood and paper.	Non-metallic minerals.	Ores and metals.	Chemicals.	Machinery and vehicles.	Unclassified.	Total.
Total:											
1910		500			37,000	68,943			125	400	106,968
1911		90			24,554	210,393				350	235,394
1912		29,596	328		43,112	142,324		10	300	503	216,173
1913		835	331		58,797	161,533				23	221,519
1914		52	105		34,848	122,762				30	157,797
1915		308			81,588	213,993			45	50	295,984
1916		3,141			87,632	581,904	349		126	906	674,058
1917		220	352		58,040	616,029	3,384		1,236	387,049	1,066,310
1918		835	65		48,589	1,049,613	7		912	10,026	1,110,047
1919	10	1,523	2,609		96,045	1,917,496	134,794	5	2,563	13,756	2,167,801
Foreign:											
Imports—											
1916						114,895					114,895
1917						149,268				8	149,268
1918						121,436					121,436
1919						233,500					233,500
Exports—											
1916		324			34,662	171,172	349		126	906	207,539
1917		197	131		55,019	53,664	3,384		1,236	386,707	500,338
1918		173	65		48,101	276,099	7		912	10,026	335,383
1919	10	1,523	2,609		95,045	715,761	134,794	5	2,563	7,385	959,995
Domestic:											
Receipts—											
1916					38,208	105,791					143,999
1917					2,422	148,320					150,765
1918						1,462					1,462
1919						40,317				6,371	46,688
Shipments—											
1916		2,817			14,762	190,046					207,625
1917			221		599	264,785				334	265,939
1918		662			488	650,616					651,766
1919						927,918					927,918

Water-borne commerce of Orange, Tex., for the calendar years 1910-1919.

SUMMARY OF FOREIGN AND DOMESTIC COMMERCE.

[Quantities expressed in short tons.]

Years.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.	
1910 ¹							287,068
1911							417,933
1912							359,792
1913							443,989
1914							306,271
1915							641,260
1916		29,976	29,976	31,150	435,204	466,354	496,330
1917		30,345	30,345	19,185	166,075	185,260	215,905
1918		20,405	20,405		185,363	185,363	371,648
1919		18,019	18,019	49,980	139,423	189,423	207,422

¹ Commerce not segregated into foreign and domestic.

Water-borne commerce of Orange, Tex., for the calendar years 1910-1919—Continued.

SUMMARY OF COMMERCE, BY CLASSES.

[Quantities expressed in short tons.]

Years.	Animals and animal products (except wool and hair).	Vegetable food products and beverages.	Textiles.	Wood and paper.	Non-metallic minerals.	Ores and metals.	Machinery and vehicles.	Chemicals.	Unclassified.	Total.
Total:										
1910.....	1,920	985	.....	289,050	14,625	.....	.....	.....	488	287,068
1911.....	502	1,932	.....	229,806	185,305	.....	.....	.....	388	417,933
1912.....	5,013	41	.....	467,236	87,463	.....	9	.....	30	559,792
1913.....	3,686	120	.....	257,250	182,722	.....	155	.....	56	443,989
1914.....	1,373	315	36	266,723	236,757	.....	4	.....	63	505,271
1915.....	118	2,704	19	267,059	271,058	.....	65	.....	237	541,260
1916.....	6,817	34,831	10	100,557	352,415	200	659	102	739	496,330
1917.....	7,498	3,102	150	34,361	170,119	.....	.....	175	200	215,605
1918.....	3,109	2,601	.....	23,492	342,151	.....	23	250	217	371,843
1919.....	8,703	54	300	18,097	179,878	.....	6	.....	384	207,422
Foreign:										
Exports—										
1916.....	.....	.....	.....	29,976	.....	.....	.....	.....	.....	29,976
1917.....	.....	.....	.....	30,345	.....	.....	.....	.....	.....	30,345
1918.....	.....	.....	.....	20,405	.....	.....	.....	.....	.....	20,405
1919.....	.....	.....	.....	18,019	.....	.....	.....	.....	.....	18,019
Domestic:										
Receipts—										
1916.....	490	2,665	10	.....	27,955	.....	.....	.....	.....	31,150
1917.....	5,968	2,426	150	1,338	9,303	.....	.....	.....	.....	19,185
1918.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1919.....	2,703	26	300	10	46,851	.....	.....	.....	90	49,980
Shipments—										
1916.....	6,327	32,136	.....	70,581	324,460	200	659	102	739	435,204
1917.....	1,530	676	.....	2,678	160,816	.....	.....	175	200	166,075
1918.....	1,579	1,925	.....	409	181,835	.....	23	75	17	185,363
1919.....	6,000	28	.....	68	133,027	.....	6	.....	294	139,423

Water-borne commerce of Galveston, Tex., for the calendar years 1910-1919.

SUMMARY OF FOREIGN AND DOMESTIC COMMERCE.

[Quantities expressed in short tons.]

Year.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.	
1910.....	85,343	1,098,720	1,184,063	650,459	560,437	1,210,896	2,394,959
1911.....	159,951	1,960,336	1,520,287	1,064,061	524,576	1,588,637	3,108,924
1912.....	66,563	1,808,474	1,875,037	635,055	734,229	1,369,284	3,244,321
1913.....	725,327	1,798,274	2,523,601	1,282,916	696,571	1,981,487	4,455,088
1914.....	846,598	2,100,756	2,947,354	1,350,942	721,478	2,072,420	5,019,774
1915.....	763,325	2,175,735	2,939,060	1,276,687	1,121,586	2,398,273	5,337,333
1916.....	547,899	1,398,970	1,946,869	182,294	383,918	566,212	2,513,081
1917.....	116,887	1,203,654	1,320,541	29,763	1,220,204	1,249,967	2,570,508
1918.....	277,410	2,100,815	2,378,225	285,330	615,127	900,457	3,278,682
1919.....	124,767	1,582,467	1,707,234	751,523	668,200	1,419,723	3,126,957

Water-borne commerce of Galveston, Tex., for the calendar years 1910-1919—Continued.

SUMMARY OF COMMERCE, BY CLASSES.

[Quantities expressed in short tons.]

Year.	Animals and animal products (except wool and hair).	Vegetable food products and beverages.	Other vegetable products (except fibers).	Textiles.	Wood and paper.	Non-metallic minerals.	Ores and metals.	Machinery and vehicles.	Chemicals.	Unclassified.	Grand total.
Total:											
1910.....	20,581	422,120	3,891	885,329	133,514	109,144	451,806	23,336	59,908	285,332	2,394,959
1911.....	15,609	507,153	7,478	853,574	206,397	579,057	352,392	2,518	31,119	553,627	3,108,924
1912.....	12,978	660,402	4,228	2,06,968	253,136	28,748	483,800	3,776	12,520	577,765	3,244,321
1913.....	14,605	940,898	18,956	1,121,685	282,807	1,170,182	400,896	49,081	76,543	379,435	4,455,088
1914.....	26,034	1,524,691	4,268	1,038,038	218,953	1,515,309	372,690	43,383	47,983	228,455	5,019,774
1915.....	19,469	1,568,601	150,185	1,078,733	110,983	1,307,270	501,078	23,071	220,848	357,095	5,337,333
1916.....	8,961	1,139,089	5,571	191,875	109,426	480,378	377,863	11,184	16,881	171,853	2,513,061
1917.....	19,985	1,004,844	54,750	600,711	109,909	182,864	725,226	22,852	37,006	207,790	2,965,937
1918.....	103,051	1,643,999	52,050	419,134	85,663	344,764	398,547	26,773	49,596	165,105	3,278,682
1919.....	20,557	890,915	132,263	659,618	137,863	469,685	222,231	10,175	13,082	580,588	3,126,957
Foreign:											
Imports—											
1910.....	151	8,967	1,476	11,370	605	5,128	3,547	8	47,005	7,086	85,343
1911.....	1,118	41,944	3,017	19,509	13,021	51,123	10,573	16,322	3,324	159,951	
1912.....	289	40,315	241	10,491	10,353	2,253	316	17	1,685	603	66,563
1913.....	677	125,810	2,959	21,260	2,817	501,261	2,077	5	67,627	834	725,327
1914.....	10,054	174,875	2,235	10,923	15,028	587,792	5,095	21	39,093	1,479	846,598
1915.....	4,706	85,384	89	13,475	1,911	435,770	33,812	1	118,051	1,146	763,325
1916.....	7	35,917	93	14,990	38	467,543	28,766	.....	.....	545	547,899
1917.....	22	77,461	99	19,119	73	18,161	1,844	.....	15	63	116,897
1918.....	3	32,966	.....	19,081	.....	215,805	62	.....	9,426	47	277,410
1919.....	4,292	67,483	57	21,899	.....	18,947	973	.....	10,792	324	124,767
Exports—											
1910.....	11,792	306,464	16	651,121	81,374	10,832	23,239	4	277	13,601	1,098,720
1911.....	8,420	419,598	212	740,911	152,029	1,835	32,904	.....	.....	4,427	1,360,336
1912.....	9,264	575,739	891	1,086,939	100,044	2,597	32,316	446	.....	238	1,808,474
1913.....	3,409	725,678	14,367	813,793	177,656	6,429	24,526	1,111	51	1,251	1,798,274
1914.....	5,049	1,280,055	427	710,546	91,906	3,170	8,555	300	17	731	2,100,756
1915.....	4,299	1,276,558	630	764,791	75,426	3,309	47,201	215	1,961	1,315	2,175,735
1916.....	7,235	1,057,556	1,500	61,897	45,988	7,125	212,147	314	740	1,468	1,398,970
1917.....	9,135	618,215	7,870	283,864	28,182	50,923	196,216	498	8,259	492	1,203,654
1918.....	92,901	1,478,501	8,826	234,725	48,103	111,387	99,296	11,778	14,213	1,082	2,100,815
1919.....	7,891	725,824	22,515	590,329	137,839	66,596	49,517	9,517	2,290	129	1,582,467
Domestic:											
Receipts—											
1910.....	1,414	24,311	.....	87,945	12,427	85,548	160,564	23,324	12,414	242,482	650,459
1911.....	1,255	14,442	18	14,838	17,975	517,453	96,637	2,518	14,587	384,338	1,064,061
1912.....	756	10,110	145	18,537	14,397	19,368	192,899	3,313	10,735	361,825	635,055
1913.....	3,566	31,692	.....	69,018	13,216	631,825	105,384	47,965	8,365	521,885	1,232,916
1914.....	2,070	18,014	406	139,545	9,666	853,251	108,385	42,309	8,768	168,528	1,350,942
1915.....	1,732	44,146	2,399	75,429	32,672	777,822	114,601	22,486	28,176	177,234	2,276,667
1916.....	39	22,646	100	21,148	9,950	5,710	38,450	10,870	12,541	60,840	182,294
1917.....	1,959	36,753	4,523	67,759	38,835	68,673	103,855	21,789	26,532	54,514	425,192
1918.....	1,579	13,802	13,139	50,008	31,673	10,091	42,026	14,625	19,868	88,519	285,330
1919.....	1,726	4,648	7,138	156	24	327,530	39,416	617	.....	370,268	751,523
Shipments—											
1910.....	7,224	82,318	2,399	134,893	39,106	7,639	264,456	.....	210	22,163	560,437
1911.....	4,816	31,169	4,231	78,316	23,372	8,646	212,278	.....	210	161,538	524,576
1912.....	3,180	33,727	2,951	91,001	128,342	4,530	258,299	.....	100	212,099	734,229
1913.....	6,953	57,718	1,630	187,614	89,118	30,667	268,909	.....	500	55,462	698,571
1914.....	8,961	51,747	1,200	177,024	102,353	71,099	250,625	750	105	57,717	721,478
1915.....	8,732	162,533	147,077	225,038	974	90,369	305,464	339	3,660	177,400	1,121,586
1916.....	1,680	22,970	3,878	90,840	53,450	.....	98,500	.....	3,600	109,000	383,918
1917.....	8,969	272,415	42,256	229,939	42,819	45,107	423,311	565	2,200	152,721	1,220,204
1918.....	8,565	118,710	30,085	115,320	5,887	7,481	247,163	370	6,089	75,457	615,127
1919.....	6,618	82,960	102,523	77,234	.....	56,622	132,325	41	.....	209,847	668,200

Water-borne commerce of Houston, Tex., for the calendar years 1910-1919.

SUMMARY OF FOREIGN AND DOMESTIC COMMERCE.

[Quantities expressed in short ton.]

Year.	Foreign.			Domestic.				Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Local.	Total.	
1910 ¹								1,371,650
1911 ¹								1,354,897
1912 ¹								1,365,050
1913 ¹								1,860,452
1914 ¹								1,070,700
1915 ¹				1,004,110	58,337	593,900	1,656,347	1,656,347
1916 ¹				58,966	318,626	917,826	1,295,418	1,295,418
1917.....	3,218	11,064	14,282	46,045	341,854	759,243	1,147,142	1,161,424
1918.....		22,700	22,700	40,470	98,955	2,225,641	2,366,066	2,387,766
1919.....	128,845	13,673	142,518	162,234	141,933	841,287	1,145,454	1,287,972

¹ Commerce not segregated into foreign and domestic. ² Foreign commerce included in domestic totals.

SUMMARY OF COMMERCE, BY CLASSES.

[Quantities expressed in short tons.]

Year.	Animals and products (except wool and hair).	Vegetables food products and beverages.	Other vegetable products (except fibers).	Textiles.	Wood and paper.	Non-metallic minerals.	Ores and metals.	Machinery and vehicles.	Chemicals.	Unclassified.	Total.
Total:											
1910 ¹	3,500	80,850		104,190	245,100	916,260		19,000		2,750	1,371,650
1911 ¹	3,800	19,300		97,247	228,000	934,900		21,000		50,650	1,354,897
1912 ¹	4,000	109,400		97,250	218,300	912,400		23,000		700	1,365,050
1913 ¹	4,800	123,800		96,000	203,000	1,405,352		25,000		500	1,860,452
1914 ¹	3,800	128,400		38,400	185,000	689,500	1,300	23,000	1,000	300	1,070,700
1915.....	2,100	144,896	260	23,403	334,079	1,106,884	6,844	19,974	7,453	10,461	1,656,347
1916.....	2,085	115,309	5,151	24,923	189,091	873,312	22,284	24,748	7,415	31,100	1,295,418
1917.....	2,500	128,955		25,947	247,794	620,544	10,613	82,080	9,384	33,627	1,161,424
1918.....	800	526,868		149,623	161,700	843,160		82,554	593,113	29,948	2,387,766
1919.....				20,783	20,566	601,018		693	2,079	642,833	1,287,972
Foreign:											
Imports—											
1917.....						3,218					3,218
1918.....						22,700					22,700
1919.....						10,517				118,328	128,845
Exports—											
1917.....		2,610			680	4,143	264		3,053	314	11,064
1919.....				11,884	1,096			693			13,673
Domestic:											
Receipts—											
1917.....		4,807		2,412	2,375		10,349	6,080	6,331	13,711	46,045
1918.....						7,168		10,154		23,148	40,470
1919.....						74,269			843	87,122	162,234
Shipments—											
1917.....		14,758		23,509	3,639	290,206				9,742	341,854
1918.....						98,955					98,955
1919.....						45,932				96,001	141,933
Local:											
1915.....	2,100	107,200		900	135,350	328,700		17,300		2,350	593,900
1916.....	1,800	99,695		15,479	181,877	578,161	120	18,650		22,044	917,826
1917.....	2,500	106,780		26,241	100	322,977		76,000		9,860	759,243
1918.....	800	526,868		149,623	161,700	714,337		72,400	593,113	6,800	2,225,641
1919.....				8,899	19,470	470,300			1,236	341,382	841,287
Foreign and domestic:											
Receipts—											
1915.....		33,935		1,215	196,579	746,600	6,844	2,674	7,453	6,810	1,004,110
1916.....	33	5,608		4,734	4,572	1,273	22,164	6,098	6,552	7,932	58,966
Shipments—											
1915.....		3,754	260	21,288	150	31,584				1,301	58,337
1916.....	252	10,006	5,151	4,710	2,642	293,878			863	1,124	318,626

¹ Commerce not segregated into foreign and domestic.

**WATER-BORNE COMMERCE OF THE UNITED STATES DURING THE
CALENDAR YEAR 1920.****COMMERCE OF ATLANTIC, GULF, AND PACIFIC PORTS DURING THE
CALENDAR YEAR 1920.**

The statement of commerce at the ports of the country includes receipts and shipments at all harbors and bays under improvement by the United States, and a number of additional localities where no improvements are in progress. Goods in transit were separately given in the reports of district engineers have been eliminated in the preparation of the statement, since such traffic is accounted for as a receipt and a shipment elsewhere.

The figures show a total of 36,580,773 tons of imports, valued at \$3,453,535,357, and a total of 63,803,433 tons of exports, valued at \$6,288,103,710, making a grand total of 100,384,206 tons of foreign commerce, valued at \$9,741,639,067.

The figures show that the average value of the imports was \$94 per ton, and of the exports of about \$98 per ton. The coastwise receipts amounted to 45,371,489 tons, valued at \$3,539,865,631, an average of \$78 per ton, while the coastwise shipments amounted to 49,153,031 tons, valued at \$3,481,618,826, an average of \$71 per ton. It will be noted that the coastwise receipts and shipments do not balance, and this is probably due in great measure to the fact that there is more or less overlapping in the tables showing the commerce at ports and the commerce on rivers, canals, and connecting channels. A shipment from a port may have its destination in a river, and vice versa, so that in practice the coastwise receipts and shipments will not agree. Other domestic commerce amounted to 134,576,915 tons, valued at \$7,780,871,658, an average of \$58 per ton. The total domestic commerce at Atlantic, Gulf, and Pacific ports included in Table No. 4 was 229,101,435 tons, valued at \$14,802,356,115. The grand total of all commerce at these ports, including 13,045 tons, valued at \$2,798,000, pertaining to Nome, Alaska, and impracticable of separation into foreign and domestic traffic, was 329,498,686 tons, valued at \$24,546,793,182, or \$74 per ton. After eliminating all known duplications the total tonnage was 214,941,447, and value \$17,144,216,125.

COMMERCE OF THE GREAT LAKES DURING THE CALENDAR YEAR 1920.

The figures show a total of 3,323,210 tons of imports, valued at \$159,000,907, and a total of 9,065,497 tons of exports, valued at \$96,276,436, making a grand total of 12,388,707 tons of foreign commerce, valued at \$255,277,343. The average value of imports was \$48 per ton, and of the exports about \$11 per ton. The domestic receipts amounted to 98,292,574 tons, valued at \$1,201,722,719, and shipments 98,448,063 tons, valued at \$1,099,257,663. It will be noted that the receipts and shipments practically balance as to tonnage. The average value per ton of the receipts was \$12 and that of the shipments \$11. Other domestic commerce, consisting principally of sand and gravel and fish, amounted to 761,320 tons, valued at \$688,146. The total domestic commerce, as included in Table No. 5, was 197,501,957 tons, valued at \$2,301,668,528, and the grand total

of all commerce was 209,890,664 tons, valued at \$2,556,945,871. After eliminating all known duplications the total tonnage was 111,139,686, and value \$1,406,111,607.

COMMERCE OF RIVERS, CANALS, AND CONNECTING CHANNELS DURING
THE CALENDAR YEAR 1920.

The statement of commerce during the calendar year 1920 on rivers, canals, and connecting channels has been separated into bulk and package in order to show the relative proportions of high-class and low-class freight transported on our inland waterways. Obvious repetitions of the same commerce have been omitted, but there are some duplications of traffic which it is impossible to eliminate. For example, the commerce of the Ohio River appears under that stream, but an unknown part of this traffic is also included in the figures given for the commerce of the Lower Mississippi. The commerce passing through St. Marys Falls Canal has been taken as representing the traffic through the ship channel connecting the waters of the Great Lakes because this is the only point for which detailed statements of the traffic of the connecting channel are given. The term "bulk" freight includes commodities handled loose or in cargo lots consisting principally of coal, coke, iron ore, lumber and pulpwood, grain, ice, oil, phosphate and other fertilizer materials, sand, stone, gravel, etc. In some instances fish, oysters, and oyster shells have been included in bulk freight. "Package" freight includes all commodities in crates, boxes, bags, or otherwise assembled.

The total bulk freight amounted to 151,366,742 tons, valued at \$1,566,232,112, an average of about \$10 per ton, and the package freight amounted to 11,609,039 tons, valued at \$1,400,996,488, an average of about \$120 per ton. The total commerce on the rivers, canals, and connecting channels, as given in Table No. 7, was 162,975,781 tons, valued at \$2,967,228,600, or \$18 per ton.

After eliminating all known duplications the total tonnage was 43,187,893, and value \$960,168,763.

TABLE NO. 1.—*Commerce of ports during the calendar year 1920.*

[Quantities expressed in short tons.]

Grand divisions.	Foreign.				Domestic.		Grand total.		Adjusted total.	
	Imports.		Exports.							
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
	Atlantic coast.....	24,544,941	\$2,870,377,212	42,321,927	\$4,120,683,084	173,890,809	\$12,170,130,703	240,757,677	\$18,861,190,999	153,812,273	$12,776,125,648
Gulf coast.....	9,886,508	384,429,577	14,999,607	1,623,027,588	15,941,372	729,410,966	40,727,487	2,736,867,931	32,756,801	2,372,162,448
Pacific coast.....	2,149,324	498,728,768	6,581,899	544,393,038	39,282,299	1,905,612,446	48,013,522	2,948,734,252	28,372,373	1,995,928,029
Great Lakes.....	3,323,210	159,000,907	9,065,497	96,276,436	197,501,957	2,301,668,528	209,890,664	2,566,945,871	111,139,686	1,496,111,607
Grand total.....	39,903,983	3,612,536,264	72,968,930	6,384,380,146	426,616,437	17,106,822,643	539,389,350	27,103,739,063	.....	.....
Adjusted total.....	39,903,983	3,612,536,264	72,968,930	6,384,380,146	213,308,219	8,553,411,322	.....	.....	326,081,133	118,550,327,732

1 The adjusted total eliminates all known duplications and is ascertained by adding one-half of the total domestic commerce to the total foreign commerce.

TABLE NO. 2.—Commerce on the rivers, canals, and connecting channels of the United States during the calendar year 1920.¹

Grand divisions.	Bulk freight.				Package freight, miscellaneous.		Total commerce, receipts and shipments.		Adjusted total.	
	Miscellaneous.		Rafted and floated timber.		Total bulk freight.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Atlantic coast.....	12,801,938	\$232,387,585	564,897	\$5,153,671	13,366,835	\$237,541,256	1,805,414	\$294,281,637	15,172,249	\$531,822,983
Gulf coast.....	2,276,967	41,794,659	2,776,350	17,665,981	5,053,317	59,460,640	518,359	75,301,409	5,571,676	134,762,049
Mississippi River and tributaries.....	45,046,414	301,816,088	880,598	7,292,499	45,927,012	309,108,587	5,204,992	826,960,250	51,132,004	835,968,837
Pacific coast.....	2,357,256	19,537,144	3,922,912	29,132,541	6,280,168	48,669,685	1,576,044	150,179,594	7,850,212	106,946,269
Interior rivers and other waterways.....	457,174	2,226,050	76,555	640,940	533,729	2,866,990	51,861	2,155,505	585,590	5,022,495
Canals and connecting channels.....	79,144,381	898,798,963	1,061,300	9,785,991	80,205,681	908,584,954	2,449,399	352,218,103	82,655,050	1,290,803,057
Grand total.....	142,084,130	1,496,560,489	9,282,612	69,671,623	151,366,742	1,566,232,112	11,609,039	1,400,996,488	162,975,781	2,967,228,600
Adjusted total.....	33,003,469	327,908,384	5,171,956	39,728,807	38,175,425	367,637,191	5,012,468	592,531,572	443,187,883	960,168,763

¹ Rivers having foreign commerce are included under ports.² The adjusted total eliminates all known duplications and is ascertained by excluding the traffic of St. Marys Falls Canal and Keweenaw Waterway from the total under the grand division "Canals and connecting channels," since this traffic has already been credited as receipts and shipments at lake ports. The remainder, or 3,027,527 tons valued at \$106,955,992, is then added to one-half of the totals for the other grand divisions.

TABLE NO. 3.—Summary showing total water-borne commerce of the United States during 1920, eliminating all known duplications.

Grand divisions.	Foreign.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Ports on Atlantic, Gulf, and Pacific coasts.....	100,384,206	\$9,741,639,067	114,557,241	\$7,402,577,058	214,941,447	\$17,144,216,125
Ports of the Great Lakes.....	12,388,707	255,277,343	98,730,979	1,130,834,284	111,138,686	1,406,111,627
Rivers, canals, and connecting channels.....	.....	.....	43,187,883	960,166,763	43,187,883	960,166,763
Grand total.....	112,772,913	9,996,916,410	256,466,113	9,513,580,065	369,269,026	19,510,496,495

TABLE NO. 4.—*Commerce of Atlantic, Gulf, and Pacific ports for the calendar year 1920.*

[Quantities expressed in short tons.]

NOTE.—Asterisk (*) preceding figures in column "Total commerce" indicates additional traffic, such as car ferry, general ferry, and cargoes in transit, shown in Table No. 6.

Grand divisions and localities.	Foreign.			Domestic.						Total commerce credited to ports.	
	Imports.		Exports.	Coastwise receipts.		Coastwise shipments.		Other domestic.			
	Tons.	Value.		Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
ATLANTIC COAST.											
Bar Harbor, Me.				22,208	\$1,120,731	1,746	\$250,020			23,954	\$1,370,751
Rockland, Me.				45,052	2,415,372	9,192	1,172,324			54,244	3,687,066
Portland, Me.	356,647	\$8,959,449	598,685	1,450,260	26,315,322	55,645	6,452,749			2,461,237	110,968,626
Newburyport, Mass.				86,348	955,909					86,348	955,909
Boston Harbor, Mass.				32,230	627,946					32,230	627,946
Chelsea Creek and Fort Point Channel.	1,106,981	311,339,736	553,749	3,797,285	208,327,091	832,374	152,897,719				
Mystic River.	543,281	66,314,969	15,337	1,396,724	15,200,419	389,253	12,077,970				
Malden River.				58,231	574,641						
Dorchester Bay and Neponset River.	3,063	162,952		227,422	3,430,427	1,769	23,141				
Weymouth Fore River.	9,980	35,844		1,892,675	1,064	737,269					
Weymouth Back River.	19,594	1,096,043	4,203	80,125	1,876,800	130,636	3,862,944				
Gloucester, Mass.	26,928	1,137,326	2,516	108,420	8,054,208		60,000				
Beverly, Mass.	101	3,570		244,872	6,110,075						
Salem, Mass.	70	9,250		92,499	754,812						
Lynn, Mass.	150	5,500		248,676	2,601,617	15,200	900				
Plymouth, Mass.	150	4,861		14,835	194,267		858,916				
Nantucket, Mass.				22,209	3,171,604	4,285	94,403,187				
New Bedford and Fair Haven.	3,111	604,213	4,575	923,381	84,785,788	98,118	78,636,319	121,636	\$21,386,855	1,029,195	180,693,188
Fall River, Mass.	57,973	745,704		748,320	69,798,368	138,967	3,951,150	33,308	5,280,532	1,067,116	*170,750,246
Newport, R. I.				109,605	7,740,011	7,958	3,951,150			150,871	*16,961,663
Providence, R. I.	587,447	8,760,330	1,619	2,660,963	316,338,989	565,010	233,696,942	146,930	26,491,878	3,961,969	*588,507,669
Block Island, R. I.				5,182	1,219,566	1,203	246,350			6,385	1,465,916
Great Salt Pond, R. I.				7,040	1,700,842	1,627	381,400			8,667	2,082,242
New London, Conn.	8,166	1,283,084	17,407	296,234	97,335,363	103,188	74,022,099			424,945	176,121,976
Branford, Conn.				34,129	529,454					34,129	529,454
New Haven, Conn.	3,841	47,965		1,594,130	110,115,160	168,834	82,767,260			1,766,906	192,930,415
Milford, Conn.				1,286	15,018					1,286	15,018
Bridgeport, Conn.	3,730	92,049		1,172,998	86,346,950	103,495	44,540,233			1,280,223	130,962,232
Norwalk, Conn.	4,265	124,330		106,363	1,311,944	5,118	8,530			115,796	1,434,854

Piemonte River Harbor, Conn.	4, 131	133, 646				29, 324	153			561
Standford, Conn.	4, 245	5, 126				15, 914, 814	17, 826			267, 121
Greenwich, Conn.	1, 860	43, 500				10, 046, 627	16, 880			91, 060
Charles River, Conn., ports on..						206, 375				249, 208
Stonington, Conn.						206, 375	18			6, 523
Westport Harbor, Conn. (Saugateck River)						44, 414				44, 414
Coscoo Harbor, Conn						1, 171, 910				1, 171, 910
Bristol, Conn.						14, 833				2, 944, 967
Tiverton, R. I.						145, 000				43, 622
Port Chester, N. Y.	19, 917	265, 036				25, 280	4, 800			139, 106
Manamouche, N. Y.						3, 955, 761	27, 499			30, 142
Echo Bay, N. Y.						1, 920, 773				1, 920, 773
New Rochelle, N. Y.						90, 733				90, 733
Flushing Bay, N. Y.						5, 529, 960				5, 529, 960
New Rochelle, N. Y.						439, 406				78, 289
Hempstead, N. Y.						60, 437				1, 613, 560
Manhasset Bay, N. Y.	245	12, 000				761, 029	2, 665, 618			1, 468, 151
Huntington, N. Y.						30, 327	44, 449			3, 497, 364
Huntington, N. Y.						163, 300				1, 468, 151
Port Jefferson, N. Y.						42				3, 497, 364
Mattituck, N. Y.						3, 546				1, 468, 151
Great South Bay, N. Y.						710				3, 497, 364
Jamaica Bay, N. Y.						7, 824				1, 468, 151
Sheepshead Bay, N. Y.						29, 369				3, 497, 364
Oyster Bay, N. Y.						163				1, 468, 151
New York, N. Y.						17, 554				1, 468, 151
Bay Ridge and Red Hook Channel.....	1, 098, 549	216, 513, 223	2, 193, 472	473, 376, 234		3, 703, 538	69, 832			1, 875, 633
Gowanus Creek Channel.....	3, 583	153, 520				130, 050	5, 079			1, 438, 933
East River.....	1, 735, 621	300, 683, 011	1, 022, 600	229, 705, 175		91, 365, 361	1, 697, 062			1, 438, 933
Wallabout Channel.....	913, 153	215, 881, 733	1, 397, 629	328, 152, 917		347, 500	241, 134			1, 577, 067
Batavia Channel.....						273, 804	341, 181			445, 671
Kill Van Kull, N. Y. and N. J.	3, 000, 516	163, 916, 444	866, 357	67, 163, 160		74, 578, 443	37, 670			69
Newtown Creek.....	6, 696	246, 599				2, 046, 700	37, 525			1, 430, 188
Bronx River.....						119, 597	132, 957			40, 146, 671
Harlem River.....	523	24, 401				243, 018	36, 628			30, 017, 912
Upper Bay, N. Y.	205, 967	59, 844, 948	302, 122	90, 912, 611		330, 259	330, 259			365, 773, 658
Hudson River Channel.....	2, 396, 215	632, 241, 530	4, 190, 472	1, 107, 602, 783		437, 916, 630	1, 632, 591			451, 284, 910
Arthur Kill, N. Y. and N. J.	1, 510, 539	28, 980, 354	36, 819	2, 114, 402		8, 217, 804	2, 272, 239			38, 041, 519
Artisan Bay.....						44, 152	5, 435			1, 385, 144
San Juan, P. R.	75, 459	4, 405, 736	24, 300	8, 930, 664		66, 983, 545	53, 540			642, 860
Tarrytown, N. Y.						73, 055	771, 141			*93, 137, 803
Yonkers, N. Y.						93, 767	9, 549, 954			*87, 679
Yonkers, N. Y.						93, 767	9, 549, 95			

1 Incomplete.

Partly estimated.

Includes 140,720 tons garbage for which no value is given.

⁴ This total includes commerce within the port itself, which in some cases is credited twice. Eliminating all known duplications, the total water-borne commerce of the port of New York during the calendar year 1920 is found to be 79,583,294 tons, valued at \$7,512,439,077. Eliminating 20,922,533 tons foreign, consisting of 20,922,533 tons foreign, valued at \$3,947,613,155; 15,282,633 tons coastwise, valued at \$1,354,819,942; and 43,488,128 tons of other domestic valued at \$2,210,007,652, consisting of traffic handled within the port.

TABLE NO. 4.—*Commerce of Atlantic, Gulf, and Pacific ports for the calendar year 1920—Continued.*
 [Quantities expressed in short tons]

Grand divisions and localities.	Foreign.			Exports.			Domestic.			Total commerce credited to ports.			
	Imports.		Tons.	Coastwise receipts.		Tons.	Coastwise shipments.		Tons.	Other domestic.			
	Tons.	Value.		Value.	Tons.		Value.	Value.		Tons.	Value.		
ATLANTIC COAST—continued.													
Saugerties, N. Y.	2, 130	\$127, 560								146, 896	\$5, 538, 878	49, 026	\$5, 666, 438
Rondout, N. Y.										1313, 362	10, 408, 750	313, 362	10, 408, 750
Burlington, Vt.	15, 138	748, 377								31, 441	7, 315, 909	46, 579	8, 064, 286
Plattsburgh, N. Y.	1, 288	60, 769								3, 567	1, 484, 830	4, 853	1, 545, 590
Peeconie Bay, N. Y.										1, 875	26, 662	1, 875	*71, 787
Gardiners Bay, N. Y.										2, 952	68, 220	3, 037	452, 600
Sag Harbor, N. Y.				50	\$2, 720	35	\$947					2, 283	452, 600
Greenport Harbor, N. Y.				1, 697	339, 400	566	113, 200					18, 087	*1, 027, 336
Southold Bay, N. Y.				3, 376	327, 665	2, 324	56, 351			12, 387	643, 290	4, 948	*41, 546
Cutehogue Bay, N. Y.				212	770	3, 844	38, 454			4, 572	101, 623	4, 572	101, 623
Fort Pond Bay, N. Y.										2, 375	281, 250	2, 375	281, 250
Orient Harbor, N. Y.										6, 010	459, 222	8, 816	587, 895
Port Henry, N. Y.				2, 281	87, 344	525	21, 000			117, 854	1, 185, 322	117, 854	1, 185, 322
Narrows of Lake Champlain, N. Y. and Vt.				(1)						193, 965	2, 822, 153	449, 970	11, 088, 847
Other Creek Vt. ports on Gravesend Bay, N. Y.	181, 281	7, 411, 247	74, 824							5, 780	45, 860	1, 366	45, 860
Newark Bay, N. J.	2, 250	460, 000								68, 539	1, 981, 741	70, 799	*2, 331, 741
Passaic River, N. J.										594, 621	38, 384, 755	1, 072, 681	*78, 413, 558
Keyport, N. J.	8, 925	142, 385	43, 590	387, 875	29, 614, 369	46, 575	3, 745, 794			998, 180	94, 408, 463	1, 314, 241	94, 408, 463
Shoal Harbor and Compton Creek, N. J.				369, 136	774, 877					*2, 889, 600	11, 824	11, 824	320, 746
Philadelphia, Pa.	3, 898, 768	282, 157, 831	7, 575, 008							11, 666	320, 746	11, 666	320, 746
Schuylkill River, Pa.				2, 124, 066	144, 750, 011	2, 161, 122	145, 962, 180			22, 947, 238	382, 660, 056	*1, 179, 638, 066	*1, 179, 638, 066
Marcus Hook, Pa.	1, 079, 637	17, 886, 433	963, 614	653, 760	28, 884, 540	17, 817	639, 962			5, 072, 239	179, 638, 066	5, 072, 239	179, 638, 066
Absecon Inlet, N. J.				6, 041	1, 602, 700	2, 719	820, 370			7, 760	4, 323, 070	7, 760	4, 323, 070
Wilmington, Del.				3, 494	400, 512	111	13, 875			3, 608	414, 387	3, 608	414, 387
Baltimore, Md.				588, 482	93, 119, 628	74, 990	151, 084, 246			603, 462	244, 183, 873	603, 462	244, 183, 873
Queenstown, Md.	3, 202, 080	69, 884, 166	6, 757, 163	581, 691	39, 158, 559	536, 212	38, 324, 364			16, 465, 975	*923, 076, 969	*923, 076, 969	*923, 076, 969
Chesapeake, Md.				15, 529	2, 144, 573	3, 326	810, 090			18, 855	2, 954, 963	18, 855	2, 954, 963
Tilghman Island, Md.				4, 684	6, 626	6, 212	305, 000			16, 721	845, 974	16, 721	845, 974
Casbridge, Md.				14, 711	1, 194, 220	23, 808	982, 092			78, 672	3, 065, 665	78, 672	3, 065, 665
Ortland, Md.				142, 920	10, 140, 215	57, 950	2, 092, 446			200, 870	12, 225, 861	200, 870	12, 225, 861

TABLE No. 4.—Commerce of Atlantic, Gulf, and Pacific ports for the calendar year 1920—Continued.

[Quantities expressed in short tons.]

Grand divisions and localities.	Foreign.			Domestic.						Total commerce credited to ports.	
	Imports.		Exports.	Coastwise receipts.		Coastwise shipments.		Other domestic.			
	Tons.	Value.		Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
	GULF COAST—continued.										
Sabine, Tex. :	22,285	\$468,290	715,245	57,592	\$906,470	385,571	\$7,136,168			1,190,663	\$819,486,992
Port Arthur, Tex. :	1,578,876	26,214,510	1,987,625	38,503	6,281,570	3,681,571	147,631,705		\$279,124	7,494,260	*253,421,055
Beaumont, Tex. :	314,195	4,398,730	1,280,205	33,961	679,220	1,283,331	70,856,455		59,749	2,940,525	135,746,913
Orange, Tex. :			70,786			134,996	2,699,920		24,642	283,813	6,018,262
Total Gulf coast.....	9,886,508	384,429,377	14,899,607	1,727,707	175,198,406	12,439,042	511,854,566	1,774,623	42,357,994	40,727,487	2,736,367,931
PACIFIC COAST.											
Los Angeles, Calif. :	106,215	6,996,406	646,298	1,552,333	110,529,900	2,085,228	51,669,106			4,340,074	188,330,169
San Luis Obispo, Calif. :			631,842	7,247	1,679,025	1,614,066	19,610,022			2,253,155	*28,717,597
San Diego, Calif. :	7,468	1,357,524	7,990	514,899	13,703,888	10,706	1,918,036			541,063	*17,380,454
San Francisco, Calif. :	713,338	134,551,720	2,021,575	2,178,630	163,778,020	509,113	50,911,300			7,685,402	*775,014,544
Oakland, Calif. :	86,925	14,600,440		805,697	34,575,300			2,262,746	226,274,100	1,716,332	*132,653,552
Richmond, Calif. :				2,075	28,132			823,710	83,477,812	55,490	23,346,434
San Pablo, Calif. :	14,496	1,061,420	51,687	669,766	12,078,756			566,839	16,305,434	1,392,778	36,503,808
Suisun Bay Channel, Calif. :	135	103,000	15,996	281,600	6,173,500					392,223	*13,033,390
Monterey, Calif. :				351,287	5,052,668					383,919	7,638,390
Crescent City, Calif. :				7,842	392,100	35,029	1,126,220			42,871	1,518,320
Carquinez Strait, Calif. :				411,138	71,192,138	1,521,858	20,553,671			2,079,146	*97,990,881
Bolinas Bay, Calif. :	8,464	14,872	137,696	6,231,200	3,450	258,750	156,980			4,064	415,730
South Bay, Calif. :			28,539	666,159							968,233
Berkeley, Calif. :	120	9,000	745	55,875	21,284	811,844	243,642			41,736	2,764,569
Richmond Outer Harbor, Calif. :	3,366	925,620	395,101	21,088,635	30,336	665,650			60,078	69,780,495	
Humboldt, Calif. :			55,090	85,398	3,556,850	105,051	5,062,475		2,487,878	245,539	10,362,435
Cocos Bay, Oreg. :				21,408	3,715,453	357,179	7,107,897		378,587	10,823,340	
Yaquina Bay, Oreg. :				5,910	1,201,056	360	28,800		6,270	1,229,856	
Tillamook, Oreg. :				65	16,470	54	22,950		119	38,420	
Nehalem Bay, Oreg. :				260	3,945	2,825	53,650		3,085	57,595	
Portland, Oreg. :											
Astoria, Oreg. :	46,705	10,018,688	906,187	1,368,313	69,972,359	594,894	29,207,875	4,338,256	82,860,593	7,254,295	*253,456,887
Vancouver, Wash. :											

Grays Harbor, Wash.	56,664	1,167,628	27,107	2,102,061	541,576	11,159,762	1,671,922	13,826,012	625,437	14,426,471
Willapa, Wash.	4,768	114,160	800	183,000	132,313	2,838,780	384,122	3,019,003	1,671,922	13,826,012
Port Gamble, Wash.	2,990	69,759	101,402	730,807	30,580	517,227	1,711	146,922	322,003	6,146,143
Olympia, Wash.	540,175	69,627,551	363,974	34,200,151	334,842	20,533,854	346,633	3,377,226	346,633	3,377,226
Seattle, Wash.	270,326	813,107	1,897,366	105,342,440	449,283	58,460,718	1,175,900	20,028,296	2,705,217	203,893,633
Everett, Wash.	597,308	241,112,184	8,705	1,737,099	125,624	3,297,612	1,600,522	47,794,931	5,227,586	388,023,197
Anacortes, Wash.	27,211	3,578,592	10,932	1,430,328	2,925	183,800	622,647	7,057,320	807,408	16,213,420
Bellingham, Wash.	3,902	6,392	10,932	1,430,328	2,925	183,800	622,647	7,057,320	138,283	5,257,827
Bellingham, Wash.	69,877	404,928	1,009,430	9,346,658	76,579	1,420,969	269,657	4,395,778	534,104	16,577,783
Bellingham, Wash.	12,846	102,999	22,000	193,050	1,490	49,030	50,458	701,502	67,044	1,083,581
Port Angeles, Wash.	5,344	163,505	771,997	103,050	35,204	896,370	77,213	1,741,144	148,438	3,543,017
Nome, Alaska	175,288	20,980,668	1,016,311	127,306,388	720,674	126,322,409	13,045	2,798,000	2,039,046	282,675,003
Honolulu, Hawaii.	175,288	20,980,668	1,016,311	127,306,388	720,674	126,322,409	13,045	2,798,000	2,039,046	282,675,003
Kahului, Hawaii.	175,288	20,980,668	1,016,311	127,306,388	720,674	126,322,409	13,045	2,798,000	2,039,046	282,675,003
Hilo, Hawaii.	175,288	20,980,668	1,016,311	127,306,388	720,674	126,322,409	13,045	2,798,000	2,039,046	282,675,003
Naval Station, Hawaii.	175,288	20,980,668	1,016,311	127,306,388	720,674	126,322,409	13,045	2,798,000	2,039,046	282,675,003
Hoquiam River, Wash., ports on	10,814	222,708	2,441	1,894,942	87,717	1,919,774	542,278	3,008,929	12,040	2,106,206
Silligumish River, Wash., ports on	10,814	222,708	2,441	1,894,942	87,717	1,919,774	542,278	3,008,929	643,250	6,916,413
Port Townsend, Wash.	2,065	45,444	45,444	193,260	23,538	320,353	78,575	1,502,150	80,640	547,594
Port Ludlow, Wash.	2,065	45,444	45,444	193,260	23,538	320,353	78,575	1,502,150	80,640	547,594
Totals Pacific coast.....	2,149,324	498,728,708	6,581,899	544,393,038	12,085,833	479,125,591	17,497,424	596,035,755	48,013,522	2,948,734,252
Grand total.....	36,580,773	3,453,535,357	63,803,433	6,288,103,710	45,371,489	3,539,865,031	49,133,031	7,780,871,658	329,498,686	24,546,783,182

1 Incomplete.

* Impracticable to separate traffic into foreign and domestic. † Tons and value included in "Total commerce credited to ports."

St. Joseph, Mich.	12, 220	4, 515, 000	115, 040	9, 515, 070	128, 240	14, 023, 070
South Haven, Mich.	3, 470	960, 950	11, 455	2, 805, 030	14, 455	14, 763, 455
Saugatuck, Mich.	671	10, 130	3, 741	369, 130	4, 312	9, 373, 800
Holland, Mich.	14, 445	4, 902, 700	13, 580	5, 075, 000	28, 025	9, 373, 800
Grand Haven, Mich.	12, 410	4, 165, 520	45, 994	4, 884, 400	174, 500	9, 049, 920
Marquette, Mich.	129, 800	12, 044, 800	20, 100	8, 538, 700	174, 500	20, 080, 000
White Lake, Mich.	280	30, 240	33	6, 900	313	46, 150
Zeeland, Mich.	82, 000	3, 661, 200	164, 883	8, 161, 880	246, 883	11, 823, 050
Manistee, Mich.	7, 876	1, 043, 900	27, 613	1, 093, 800	35, 190	2, 053, 700
Alcona, Mich.	47	1, 142, 800	1, 161	98, 980	1, 636	241, 760
Aradog, Mich.	152	44, 900	1, 117	30, 200	289	75, 100
Frankfort, Mich.	4, 213	200, 500	672	212, 500	4, 884	4, 884
Charlevoix, Mich.	53, 730	660, 720	9, 120	450, 540	62, 860	1, 111, 260
Petoscany, Mich.	816	244, 740	475	142, 500	1, 291	387, 200
Pewaukee, Mich.	47	7, 280	942	75, 360	1, 680	81, 650
Calumet, Ill.	1, 008, 870	87, 946, 565	401, 375	61, 675, 593	1, 527, 283	183, 434, 953
Indiana Harbor, Ind.	9, 808, 685	59, 131, 386	320, 592	17, 161, 315	10, 362, 400	94, 366, 681
Michigan City, Ind.	2, 432, 231	10, 203, 367	713, 928	37, 727, 423	3, 142, 159	48, 021, 080
Gray, Ind.	5, 405	1, 498, 260	4, 720	826, 000	13, 128	3, 362, 200
Macinac, Mich.	4, 085, 625	28, 550, 459	1, 200	210, 000	4, 085, 625	28, 550, 459
Charboygan, Mich.	9, 979	871, 855	2, 225	191, 250	11, 179	709, 639
Rogers City, Mich.	67, 972	238, 798	6, 364, 450	3, 470, 414	70, 197	1, 063, 105
St. Joseph River, Mich.	30, 155	986, 570	940	18, 080	6, 544, 614	3, 817, 452
Gladstone, Mich.	105, 160	1, 671, 220	7, 027, 135	35, 682, 000	179, 000	24, 000
Escanaba, Mich.	226, 117	1, 671, 220	1, 335	358, 500	107, 100	832, 950
Traverse City, Mich.	6, 030	431, 260	1, 335	358, 500	7, 605, 777	30, 243, 130
Alpena, Mich.	188, 294	1, 620, 457	982, 606	3, 370, 234	1, 120, 456	4, 863, 741
Harbor Beach, Mich.	21, 322	371, 359	394	93, 133	21, 716	466, 462
Port Huron, Mich.	62, 512	303, 924				
Black River, Mich.	133, 855	1, 234, 989	54, 635	698, 633		
St. Clair River at Port Huron.	1, 499, 277	4, 270, 819	150, 227	46, 919, 820	3, 297, 133	100, 238, 517
Detroit Mich.	1, 006, 009	6, 447, 273	5, 947, 138	40, 447, 138	10, 904, 283	76, 967, 116
Rouge River, Mich.	4, 333	1, 560, 385	1, 335	18, 530	16, 934	369, 771
Toledo, Ohio.	1, 560, 385	1, 560, 385	1, 335	18, 530	2, 277, 459	20, 080, 095
Port Clinton, Ohio.	216, 021	1, 578, 829	257, 071	18, 106, 091	2, 277, 459	20, 080, 095
Sandusky, Ohio.	553, 012	4, 065, 927	1, 360, 980	10, 053, 535	3, 584, 355	23, 574, 640
Huron, Ohio.	1, 087, 447	7, 954, 446	2, 440, 288	21, 632, 288	8, 519, 316	57, 402, 771
Erma, Ohio.	965, 063	10, 429, 519	1, 450, 138	83, 458, 901	12, 463, 028	196, 106, 114
Cleveland, Ohio.	3, 305, 474	1, 387, 063	2, 961, 811	182, 260	1, 963, 501	12, 878, 288
Ashtabula, Ohio.	1, 006, 631	7, 349, 486	21, 489, 184	21, 489, 184	18, 313, 708	103, 135, 960
Conneaut, Ohio.	297, 662	6, 708, 534	15, 780, 624	15, 780, 624	9, 166, 968	58, 148, 807
Erle, Pa.	405, 807	2, 963, 275	37, 233, 163	13, 444, 983	4, 252, 100	55, 041, 418
St. Clair River at Port Huron.	23, 912	145, 476			274, 914	2, 471, 022

TABLE NO. 5.—*Commerce of the ports on the Great Lakes during the calendar year 1920—Continued.*
 [Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.						Total commerce credited to ports.	
	Imports.		Exports.	Receipts.		Shipments.		Other domestic.			
	Tons.	Value.		Tons.	Value.	Tons.	Value.	Tons.	Value.		
Dunkirk, N. Y.	1,995	\$1,750		1,243	\$139,696					3,238	\$141,436
Buffalo, N. Y. (by lake)	1,655,633	117,242,304		12,481,315	266,933,923	3,661,528	\$95,820,971			18,674,342	517,150,566
Buffalo, N. Y. (by canal).				371,049	18,693,608	208,670	14,363,932				
Tonawanda and North Tonawanda, N. Y.											
Charlotte, N. Y.	65,310	1,932,696	5,006	835,269	7,563,843	298,033	1,456,762	682,320	\$964,146	1,873,928	*11,668,968
Great Sodus Bay, N. Y.			394,657		2,060,664					526,991	*3,035,651
Little Sodus Bay, N. Y.			19,634		1,123,916					19,636	1,149,923
Oswego, N. Y.	109	2,391	132,512		1,147,532	142,334	974,967	55		458,761	4,498,946
Cape Vincent, N. Y.	2,594	308,270	419,669	2,668	104,202	18,611	170,602			3,121	368,886
Ogdensburg, N. Y.	119,820	1,197,774								288,112	*2,452,069
Saginaw River, Mich., ports on	61,220	1,338,522				2,235	110,565			98,905	2,040,265
Sault Ste. Marie, Mich.				2,059	1,945,594	2,787	627,075			163,821	2,572,669
Clayton, N. Y.	219	30,768	6	22,068	22,068					2,284	54,128
Morristown, N. Y.				338	2,957					338	*2,957
Alexandria Bay, N. Y.	169	8,680		6,033	70,031					6,304	96,982
Waddington, N. Y.	66,742	760,470								66,742	*760,470
Grand total	3,323,210	156,000,907	9,065,497	98,292,574	1,201,722,719	98,448,063	1,099,267,663	761,820	698,146	209,890,664	2,556,946,871

* From annual report of Lake Carriers' Association, 1920.

TABLE NO. 6.—*Ferry traffic and cargoes in transit at Atlantic, Gulf, Pacific, and Lake ports during the calendar year 1920.*

[NOTE.—Commerce included in this table is additional to that shown in Tables 4 and 5.]

Ports.	Kind of traffic.					
	General ferry.		Car ferry.		Cargoes in transit.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Atlantic coast:						
Boston, Mass.—						
Mystic River, Mass.					58,231	\$574,641
Fall River, Mass.					40,720	453,297
Newport, R. I.	69,185	\$11,307,770			163,573	89,315,421
Providence, R. I.	149,894	844,141			263,469	38,253,369
New Rochelle, N. Y.	2,431	729,300				
Huntington Bay, N. Y.					30,996	193,300
New York, N. Y.—						
Bay Ridge and Red Hook Channels			5,087,793	\$1,526,515,900	2,071,157	24,758,285
East River, N. Y.			9,262,869	2,778,857,700	16,785,860	988,454,778
Buttermilk Channel			36,475	11,542,500	994,000	85,746,090
Wallabout Channel, N. Y.			517,432	155,229,600		
Kill Van Kull, N. Y. and N. J.			45,344	13,603,600	20,381,209	519,980,962
Harlem River.	4,311	496,670	1,601,280	480,384,000		
Upper Bay, N. Y.			7,925,702	2,377,710,600	50,553,607	4,742,162,848
Hudson River Channel			12,111,692	3,633,507,600	4,257,312	259,082,604
Arthur Kill, N. Y. and N. J.			3,082	924,600	6,476,392	114,663,488
Raritan Bay					1,551,833	144,918,818
Raritan River.					280,021	19,157,743
Peconic Bay, N. Y.					2,193	52,632
Gardiners Bay, N. Y.					12,790	939,273
Greenport Harbor, N. Y.					6,107	491,054
Southold Bay, N. Y.					7,331	534,894
Gravesend Bay, N. Y.					202,492	4,216,109
Newark Bay, N. J.					2,258,162	107,369,395
Keyport, N. J.					2,000	8,000
Philadelphia, Pa.			3,021,982	1,083,729,652	1,623,797	42,014,703
Baltimore, Md.			851,525	89,721,557		
Norfolk, Va.			4,434,331	495,853,832	4,568,068	652,345,901
Newport News, Va.			534,086	47,294,615	2,404,797	384,327,513
Beaufort, N. C.					42,000	615,000
Wilmington, N. C.					22,498	5,649,640
Savannah, Ga.	34,969	25,857,750			827,684	234,637,016
Brunswick, Ga.					52,898	3,255,422
Key West, Fla.			664,157	98,567,018	180,966	199,884,800
Gulf coast:						
Tampa, Fla. ¹					32,106	1,494,000
St. Petersburg, Fla.					3,149	602,225
Pensacola, Fla.					534,426	Unknown.
Mobile, Ala.					47,893	913,990
Pascagoula, Miss.					19,334	365,049
New Orleans, La.					589,334	94,324,792
Galveston, Tex.			446,652	50,899,168		
Port Bolivar, Tex.			446,652	50,899,168		
Sabine, Tex.					10,695,466	393,467,955
Port Arthur, Tex.					3,128,891	140,326,024
Pacific coast:						
San Luis Obispo, Calif.					124,133	12,083,324
San Diego, Calif.					38,982	7,182,590
San Francisco, Calif.	632,519		1,297,901			
Oakland, Calif.	232,519		542,688			
Suisun Bay, Channel, Calif.			124,650	24,930,000		
Carquinez Strait, Calif.			1,795,785			
Willapa, Wash.			6,350	972,000		
Port Gamble, Wash.			20,082	381,514		
Bellingham, Wash.			144,960	3,768,960		
Port Townsend, Wash.			180,130	5,944,290		
Port Ludlow, Wash.			15,650	837,813		
Portland, Oreg.						
Astoria, Oreg.	19,884	8,000,000				
Vancouver, Wash.						

¹ Includes Tampa and Hillsboro Bays and Hillsboro River.

TABLE NO. 6.—*Ferry traffic and cargoes in transit at Atlantic, Gulf, Pacific, and Lake ports during the calendar year 1920—Continued.*

Ports.	Kind of traffic.					
	General ferry.		Car ferry.		Cargoes in transit.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Great Lakes:						
Keweenaw Waterway, Wis.					356,324	\$35,071,368
Manistique, Mich.			304,795	\$16,514,100		
Menominee, Mich. and Wis.			200,729	16,235,000		
Kewaunee, Wis.			272,187	18,905,000		
Manitowoc, Wis.			1,484,855	112,695,750		
Milwaukee, Wis.			1,685,103	125,416,000		
Grand Haven, Mich.			690,836	66,982,000		
Ludington, Mich.			1,829,137	121,561,450		
Frankfort, Mich.			1,427,646	101,222,400		
Sandusky, Ohio.	40,182	\$13,626,000				
Ashtabula, Ohio.			806,630	22,068,040		
Conneaut, Ohio.			518,807	10,443,654		
Tonawanda and North Tonawanda, N. Y.					304,933	31,048,896
Charlotte, N. Y.			949,157	13,492,040		
Ogdensburg, N. Y.			688,991	129,888,586		
Morristown, N. Y.			1,232	396,703		
Waddington, N. Y.			(¹)	16,415		

¹ No data.

NOTE.—Asterisk (*) preceding figures in column "Total commerce" indicates additional traffic such as general ferry, car ferry, and cargoes in transit, shown in Table No. 8.

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TABLE NO. 7.—Commerce on the rivers, canals, and connecting channels of the United States during the calendar year 1920—Continued.

Grand division and locality.	Bulk freight.				Total bulk freight.		Package freight—Miscellaneous.		Total commerce—Receipts and shipments.	
	Miscellaneous.		Rafted and floated timber.		Tons.	Value.	Tons.	Value.	Tons.	Value.
	Tons.	Value.	Tons.	Value.						
RIVERS—continued.										
Atlantic coast—Continued.										
Alloway Creek, N. J.	2,050	\$38,850			2,050	\$38,850	6,593	\$462,233	8,543	\$521,083
Cohansey Creek, N. J.	24,198	855,965			24,198	855,965	8,848	274,226	32,546	1,130,191
Maurice River, N. J.	222,819	3,074,197			222,819	3,074,197	1,719	153,264	224,538	3,227,461
Abasco Creek, N. J.	8,795	268,212			8,795	268,212	42	6,300	8,837	274,512
Tuckerton Creek, N. J.	9,503	341,521			9,503	341,521	1,215	95,731	10,721	437,252
Chester River, Pa.	16,421	122,144			16,421	122,144	3,757	161,033	20,178	293,177
Schuylkill River, Pa. (See Ports.)										
Delaware River, Philadelphia, Pa., to Trenton, N. J.	2,567,871	14,942,026			2,567,871	14,942,026	96,009	18,353,864	2,663,880	*33,296,890
Appoquinimink River, Del.	4,798	29,894			4,798	29,894	1,414	82,100	6,212	111,994
Smyrna River, Del.	1,829	39,506			1,829	39,506	3,084	119,446	4,913	158,952
Toms River, Del.	1,060	80,340			1,060	80,340	2,533	111,500	3,593	191,840
Lehigh River, Del.	1,647	24,820			1,647	24,820	533	24,884	2,180	49,704
Little River, Del.	8,335	274,220			8,335	274,220	833	68,890	9,168	373,070
St. Jones River, Del.	8,353	41,218			8,353	41,218	892	45,860	9,245	87,063
Murderkill River, Del.	8,256	139,270			8,256	139,270	15,942	3,970,723	24,198	4,109,993
Masonville River, Del.	4,826	133,001			4,826	133,001	1,695	191,355	6,521	324,356
Broadkill River, Del.	3,464	64,322			3,464	64,322	1,068	40,800	4,532	105,122
Susquehanna River above and below Havre de Grace, Md.	121,137	277,925			121,137	277,925	15,113	3,199,848	136,250	3,477,773
Elk and Little Elk Rivers, Md.	48,996	379,457			48,996	379,457	350	210,000	49,346	1,589,487
Choptank River, Md.	13,436	481,680			13,436	481,680	20,855	1,790,094	34,291	*2,271,774
Corrigan River, Md.	11,085	419,052			11,085	419,052	3,158	1,107,080	14,243	526,132
Tred Avon River, Md.	15,839	781,044			15,839	781,044	7,967	1,366,528	23,826	2,137,572
La Trappe River, Md.	4,710	197,480			4,710	197,480	2,245	1,162,038	6,955	359,518
Choptank River, Md.	11,597	106,265			11,597	106,265	18,725	2,798,318	30,174	2,902,583
Tuckahoe River, Md.	1,307	26,148			1,307	26,148	7,755	65,850	9,062	73,728
Wicomico River, Md.	8,327	115,276			8,327	115,276	2,717	987,336	4,024	993,484
Slaughter Creek, Md.							11,525	2,212,126	19,862	2,327,402
Nantuxo River (including Northwest Fork), Del. and Md.	45,069	452,443			45,069	452,443	8,605	1,514,186	53,674	1,966,629
Brook Creek River, Del.	7,708	251,844			7,708	251,844	1,237	199,223	9,033	421,067
Tyasmic Creek, Md.	2,530	45,439			2,530	45,439	1,285	147,401	3,815	190,840
Wicomico River, Md.	40,383	1,224,252			40,383	1,224,252	16,220	1,681,549	61,603	3,155,801

Lower Thoroughfare at or near Waxons, Deal Island, Md.	8,062	146,323	8,062	146,323	2,143	321,808	10,205	468,131
Peconick River, Md.	2,149	29,400	2,149	29,400	6,163	922,686	8,312	982,086
Twitch Cove and Big Thoroughfare River, Md.	5,919	80,300	5,919	80,300	6,188	1,350,408	12,104	1,430,703
Potomac River at Washington, D. C.	942,769	6,706,176	942,769	6,706,176	50,486	9,501,378	935,264	*15,206,564
Anacostia River, D. C.	142,996	983,009	142,996	983,009	13,387	3,979,415	156,833	*4,943,924
Potomac River at Alexandria, Va.	143,174	1,132,950	143,174	1,132,950	11,166	1,983,613	154,389	2,201,846
Oceanic Creek, Va.	24,028	121,586	25,278	1,336,586	4,104	513,628	29,442	663,214
Potomac River at Lower Cedar Point, Md.	88,727	1,185,515	88,727	1,185,515	499	82,685	499	82,685
Rappahannock River, Va.	4,534	59,084	4,534	59,084	87,217	12,222,636	175,944	13,407,961
Carters Creek, Va.	12,979	1,825,165	12,979	1,825,165	6,069	734,008	10,603	701,180
Mattaponi River, Va.	66,570	666,600	66,570	666,600	9,785	1,323,625	22,764	3,145,700
Pamunkey River, Va.	32,000	270,000	32,000	270,000	5,435	840,800	72,006	1,012,400
Poropotank Creek, Va.	28,862	345,600	28,862	345,600	840	35,300	32,840	303,200
Little Witomico River, Va.	356,656	6,172,221	356,656	6,172,221	1,000	250,000	26,862	596,600
James River, Va.	199,952	188,356	199,952	188,356	73,126	10,903,160	2,786	76,750
Appomattox River, Va.	5,309	197,970	5,309	197,970	8,191	697,800	129,182	17,075,381
Pagan River, Va.	54,438	979,670	54,438	979,670	2,840	114,720	15,500	863,360
Nansemond River, Va.	2,668	28,985	2,668	28,985	11,575	1,277,625	14,243	1,094,300
Onancock River, Va.								1,300,810
Blackwater River, Va.								
Meherrin River, N. C.								
Roanoke River, N. C.	54,114	180,380	54,114	180,380	7,479	854,750	61,968	1,063,120
Newbegin Creek, N. C.								
Souppernong River, N. C.	1,900	57,000	1,900	57,000	5,302	621,276	7,102	678,776
Pamlico and Tar Rivers, N. C.	73,123	2,408,440	108,766	2,764,870	31,186	3,383,916	139,951	6,153,686
South River, N. C.	3,444	57,000	9,144	141,920	3,940	331,747	13,084	463,667
Bay River, N. C.	7,900	39,000	4,700	57,000	3,252	490,929	7,962	466,629
Neuse River, N. C.	2,343,263	60,592	138,269	2,949,183	63,960	5,074,039	202,219	8,023,222
Smiths Creek, N. C.	1,550	29,950	3,360	47,950	3,897	5,484,212	7,247	844,102
Swift Creek, N. C.	235	11,750	10,821	108,210	1,360	299,515	12,181	317,725
Contentnea Creek, N. C.	2,104	18,400	39,712	384,480	8,684	1,150,134	235	11,750
Trent River, N. C.								1,544,614
Cape Fear River, N. C., above Wilming- ton.	24,368	1,203,674	30,140	1,329,850	9,821	1,323,152	39,961	2,653,002
North-east (Cape Fear) River, N. C.	35,351	1,204,857	43,539	1,272,681	4,268	632,256	48,097	1,904,837
Black River, N. C.	2,356	41,697	1,644	15,792	1,491	239,068	3,135	3,264,800
Waccamaw River, S. C. and N. C.			14,276	180,469	6,619	494,429	20,966	674,968
Santee River and Estherville-Minim Creek Canal, S. C.	23	2,300	23	2,300	1,808	32,682	1,831	34,982
Shalotte River, N. C.								532,769
Black River, S. C.	1,968	17,710	1,968	17,710	5,108	549,935	4,020	587,045
Savannah River, Ga.	64,005	110,179	70,353	163,662	337	34,385	70,710	196,047
Fancy Bluff Creek, Ga.	1,607	23,500	2,107	33,500	1,042	132,500	3,149	166,000
Satilla River, Ga.	31,315	641,800	60,991	916,000	3,362	507,390	64,053	1,422,300

TABLE NO. 7.—Commerce on the rivers, canals, and connecting channels of the United States during the calendar year 1920—Continued.

Grand division and locality.	Bulk freight.						Total bulk freight.		Package freight—Miscellaneous.		Total commerce—Receipts and shipments.	
	Miscellaneous.		Rafted and floated timber.		Total bulk freight.		Package freight—Miscellaneous.		Total commerce—Receipts and shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
RIVERS—continued.												
Atlantic coast—Continued.												
St. Marys River, Ga. and Fla.....	47,815	\$998,900	13,000	\$180,000	60,815	\$878,900	3,858	\$993,501	64,673	\$1,542,400		
Altamaha River, Ga.....	18,857	484,500	55,561	1,104,000	74,418	1,588,500	19,734	1,752,900	94,152	3,341,400		
Ocmulgee River, Ga.....	103,344	2,554,500	5,913	1,167,100	109,257	2,721,600	450	2,721,600	109,707	\$2,741,800		
St. Johns River, Fla., Jacksonville to Palatka.....	50,492	807,600	3,113	73,100	53,605	880,700	9,472	1,183,700	63,077	\$2,064,400		
St. Johns River, Fla., Palatka to Lake Harney.....	31,049	837,739	45,861	269,308	76,910	1,107,047	53,588	4,042,831	130,498	5,149,881		
Lake Crescent and Dunn's Creek, Fla.....	220	36,640	109,023	662,822	109,243	699,462	41,764	2,722,815	151,007	3,422,277		
Ocklawaha River, Fla.....	300	1,600	49,983	297,797	49,983	297,797	3,509	328,880	53,502	\$68,687		
Indian River, Fla.....	5,432	626,709	7,411	44,469	7,711	46,069	2,562	170,440	10,273	\$216,509		
St. Lucie Inlet, Fla.....	1,115	133,227			5,432	626,709	1,470	115,924	9,902	\$742,633		
Total Atlantic coast.....	12,801,938	232,387,585	564,897	5,153,671	13,366,835	237,541,256	1,805,414	294,281,637	15,172,249	\$31,822,893		
Gulf coast:												
Kissimmee River, Fla.....	4,750	123,750			4,750	123,750	2,375	183,750	7,125	307,500		
Caloosahatchee River, Fla.....	2,524	29,780			2,524	29,780	35,930	2,393,981	38,454	2,423,761		
Orange River, Fla.....	1,456	853,734			1,456	853,734	1,824	107,035	3,280	960,769		
Anclote River, Fla.....	124	19,840			124	19,840			124	19,840		
Crystal River, Fla.....	150	15,000			430	16,680			6,205	120,915		
Withlacoochee River, Fla.....	65	10,400			21,715	130,475	5,775	113,235	21,715	130,475		
Suwannee River, Fla. (See Tampa.)	39,661	80,760			39,661	80,760	3,149	600,725	42,810	681,485		
Apalachicola River, Fla., Cut-off, Lee Slough, and Lower Chipola River.....	10,337	149,075	25,470	276,825	35,827	425,900	27,683	3,684,550	63,510	4,110,450		
Upper Chipola River, Fla.....	1,324	16,025	5,376	69,325	6,700	85,350	5,379	855,225	12,079	938,575		
Plant River, Ga.....	1,191	40,025	420	5,725	1,611	45,750	15,728	1,984,025	17,339	2,038,775		
Chattahoochee River, Ga. and Ala.....	2,472	75,225	799	11,625	3,271	87,175	21,425	2,935,850	24,696	3,023,025		
Chattahoochee River, Fla. and Ala.....	1,040	38,855	6,000	90,000	7,050	128,855	6,334	778,630	13,384	907,485		
Blackwater River, Fla.....	32,138	642,780	12,720	229,400	44,858	872,180	4,436	1,062,000	49,294	1,924,180		
Escambia and Conecuh Rivers, Fla. and Ala.....			7,500	150,000	7,500	150,000	191	9,700	7,691	159,700		
Alabama River, Ala.....	8,562	126,275	36,120	301,100	44,682	430,375	9,434	1,931,000	54,056	2,361,375		

Coosa River, Ga. and Ala.	5,947	120,298	12,843	106,925	18,490	226,151	4,584	688,649	23,064	864,800
La Grange Bayou, Fla.	2,000	40,000			2,250	40,000	5,700	688,148	7,700	708,148
St. Marks River, Fla.	280	45,000				45,000			280	45,000
Tombigbee River, Ala., from mouth to Demopolis.	127,764	1,313,988	84,968	425,110	212,762	1,739,048	12,462	2,048,560	225,224	* 3,787,638
Tombigbee River from Demopolis, Ala., to Walkers Bridge, Miss.	6,492	59,833	3,762	18,810	10,254	78,643	196	47,670	10,449	128,313
Black Warrior, Warrior and Tombigbee Rivers, Ala., Locks and Dams 1-17, inclusive.	483,563	7,889,221	101,318	501,590	584,911	8,340,811	14,611	2,198,455	598,522	10,537,266
Pasquotank River, Miss.	107,575	7,789,625	36,899	210,495	144,474	1,000,120	15	4,123	144,489	1,004,245
Wolf and Jordan Rivers, Miss.	1,722	25,990			1,722	25,990	39	30,450	1,761	56,440
Mobile River, Ala., tributaries.	50,291	1,150,188			50,291	1,150,188	900	132,280	51,191	1,282,414
East Pearl River, Miss.	1,417,451	1,417,451	4,131	45,456	146,090	1,492,907	2,453	113,830	148,543	1,576,737
Chickasaw River and Bogue Falls, La.	170,018	1,826,377	19,610	122,562	189,628	1,498,839	7,033	1,217,130	190,351	1,582,839
Pass Manchac, La.	28,478	763,250			28,478	763,250			35,511	1,080,380
Tucklaw, Natalbany, Ponchatoula and Blood Rivers, La.	24,118	659,900	34,912	218,200	59,030	878,100	1,776	323,615	60,806	1,201,715
Amite River and Bayou Manchac, La.	4,360	83,350	9,807	61,283	14,167	144,643	5,554	913,515	19,424	1,038,158
Bayou Lafourche, La.	169,408	1,935,590			169,408	1,935,590	23,124	7,918,945	232,980	9,854,535
Bayou Terrebonne, La.	88,670	3,264,487	47,411	286,318	136,081	3,560,805		3,086,310	163,205	6,597,115
Bayou Plaquemine, Grand River, and Pigeon Bayou, La.	42,390	701,001	580,000	3,625,000	622,390	4,326,001	43,107	8,577,400	665,497	12,903,401
Bayou Grossetete, La.	8,975	71,437	160,000	1,000,000	168,975	1,071,437	3,060	5,588,970	172,035	1,630,407
Bayou Teche, La.	61,172	550,809	466,000	2,912,500	527,172	3,463,309	44,034	7,785,975	571,206	11,249,284
Atchafalaya River, Morgan City to Gulf of Mexico.	100,198	1,154,962	514,437	3,215,231	614,635	4,370,193	44,265	6,505,685	658,900	10,875,878
Bayou Vermilion, La.	28,130	348,330			28,130	348,330	5,507	994,780	33,637	1,313,110
Lake Pontchartrain, La.	383,416	13,527,785			383,416	13,527,785	29,113	6,046,425	412,529	19,574,210
Mermentau River, Bayou Nerpique and Bayou Des Canins, La.	9,000	224,027	12,000	75,000	21,000	299,027	11,258	1,951,335	32,258	2,280,362
Bayou Que de Tortue, La.	1,895	20,837	3,000	18,750	4,895	39,687	5,411	76,620	5,411	116,307
Bayou Plaquemine Bruhe, La.	3,840	56,000	6,000	37,500	9,840	93,500	150	30,000	9,900	123,500
Calcasieu River and Pass, La.	56,023	1,165,259	562,500	3,515,625	618,523	4,680,884	17,731	3,407,310	636,254	8,088,194
Schooner Bayou, La.	2,241	183,045			2,241	183,045			2,948	174,350
Double Bayou, Tex.	2,473	3,170			2,473	3,170			2,948	317,395
Turtle Bayou, Tex.	3,032	60,640			3,032	60,640			3,248	219,776
Cedar Bayou, Tex.									8,056	224,295
Clear Creek, Tex.									14,829	1,596,520
Chocolate Bayou, Tex.									13,255	1,596,520
Brazos River, from Velasco to Old Washington, Tex.	10	15			10	15	150	6,186	160	6,201
Johnsons Bayou, La.	57,600	1,152,000			57,600	1,152,000			57,000	1,152,000
Trinity River, Tex.	343	5,762	387	4,536	730	10,298	8,546	524,300	8,548	1,524,300
Oyster Creek, Tex.									9,764	19,428
Guadalupe River to Victoria, Tex.									13	78
Kiamichi River, Okla. (Red River from Fulton, Ark., to mouth of Washita River, Okla.)	100	1,000			100	1,000	98	28,080	198	29,080
Total Gulf coast.	2,276,967	41,794,659	2,776,350	17,665,981	5,053,317	59,490,640	518,359	75,301,409	5,571,676	134,762,049

Mississippi River between Memphis and Vicksburg.....	616,782	4,033,084	12,000	60,000	628,782	4,113,084	308,981	82,164,892	937,763	56,267,976
Mississippi River between Vicksburg and New Orleans.....	1,377,906	20,836,863	139,884	699,170	1,617,740	21,635,083	1,497,004	127,562,901	3,014,744	149,097,664
Missouri River, Kansas City to mouth.....	1,196,079	415,024	2,804	27,080	196,883	442,104	4,270	474,938	203,183	917,082
Missouri River, Kansas City to Sioux City.....	149,255	185,040	.....	.....	149,255	185,040	.....	.....	149,255	185,040
Missouri River, Sioux City to Fort Benton.....	1,939	18,504	.....	.....	1,939	18,504	1,322	58,651	3,261	77,155
Galena River, Ill.....	4,564	7,568	.....	.....	4,564	7,568	.....	.....	4,564	7,568
Ossage River, Mo.....	7,151	20,012	.....	.....	7,151	20,012	.....	.....	7,151	20,012
Gauleon River, Mo.....	2,068	2,722	.....	.....	2,068	2,722	.....	.....	2,068	2,722
Cumberland River, Tenn. and Ky., below Nashville.....	166,171	666,626	7,392	73,920	173,563	730,546	5,335	1,133,975	178,988	1,864,521
Cumberland River, Tenn. and Ky., above Nashville.....	109,822	367,128	10,069	95,765	119,891	462,893	27,621	8,183,278	147,512	8,646,171
Tennessee River above Chattanooga.....	561,522	986,434	4,191	50,262	565,713	1,036,726	15,342	817,711	581,055	1,554,437
Tennessee River, Chattanooga to River-ton, Ala.....	166,873	10,454,940	41,594	366,408	166,873	10,454,940	18,399	1,547,373	185,242	12,002,313
Tennessee River below River-ton, Ala.....	163,156	1,542,155	.....	.....	204,743	1,906,583	20,442	3,525,099	226,185	5,432,262
Tennessee River between Florence and River-ton, Ala.....	36,055	144,361	5,337	48,796	36,055	144,361	754	26,238	36,809	173,599
Clinch River, Tenn.....	24	288	.....	.....	5,361	40,064	.....	.....	5,361	49,064
Hwassee River, Tenn.....	23,602,563	143,167,511	.....	.....	23,602,563	143,167,511	110	4,385	24,264,354	197,973,361
Monongahela River, Pa. and W. Va.....	4,202,238	14,971,545	.....	.....	4,202,238	14,971,545	661,791	54,806,850	24,264,354	197,973,361
Allegheny River, Pa.....	1,490,710	1,490,710	.....	.....	1,490,710	1,490,710	881,862	13,071,662	5,094,200	28,043,207
Youghiogheny River, Pa.....	1,571	2,548	.....	.....	1,571	2,548	75	15,000	271,070	1,506,710
Little Kanawha River, W. Va.....	1,427,599	5,369,537	13,045	104,036	1,427,599	5,369,537	12,820	1,896,209	27,486	2,002,763
Kanawha River, W. Va.....	8,287,057	49,390,225	273	2,138	1,427,872	5,371,675	23,475	3,635,446	1,451,347	9,307,121
Ohio River.....	75,297	195,254	36,879	885,106	8,323,936	50,275,331	1,056,534	178,168,160	9,382,470	223,443,491
Muskingum River, Ohio, W. Va. and Ky., including Tug and Levisa Forks.....	65,862	1,560,689	.....	.....	75,669	204,182	4,169	79,807,640	79,898	1,011,822
Kentucky River, Ky.....	155,666	1,192,556	41,966	1,007,184	65,862	1,560,689	297	1,373,943	66,159	1,612,170
Wabash River, Ky.....	149	5,763	.....	.....	149	5,763	10,822	1,373,943	208,484	3,573,688
Green and Barren Rivers, Ky.....	180,136	2,275,923	15,000	300,000	195,136	2,575,923	23,556	3,886,286	308	18,907
Rough River, Ky.....	3,460	2,584	2,584	38,760	6,044	63,614	2	6,044	6,046	64,014
Illinois River, Ill.....	160,885	2,316,070	.....	.....	160,885	2,316,070	26,122	5,251,065	187,007	7,567,135
Total Mississippi River and tributaries.....	45,046,414	301,816,088	880,598	7,292,499	45,927,012	309,106,587	5,204,992	526,860,250	51,132,004	835,968,537
Pacific coast:										
Redwood Creek, Calif.....	19,054	519,956	.....	.....	19,054	519,956	9,514	640,086	28,568	1,160,042
Suisun Bay Channel, Calif. (See Ports.).....	71,068	833,930	.....	.....	71,068	833,930	139	10,156	71,207	844,086
Suisun Channel, Calif.....	99,109	50,760	.....	.....	99,109	50,760	12,009	1,038,976	111,118	1,054,736
Napa River, Calif.....	172,265	468,951	.....	.....	172,265	468,951	109,351	16,573,021	281,616	17,061,972
Petaluma Creek, Calif.....	163,021	2,115,750	.....	.....	163,021	2,115,750	529,285	40,087,461	692,308	42,203,211
San Joaquin River, Calif.....	4,905	4,905	.....	.....	4,905	4,905	6,214,401	86,583	1,911,498	6,280,596
Mokelumne River, Calif.....	888,503	2,257,555	.....	.....	888,503	2,257,555	489,197	51,688,591	1,377,700	58,946,146
Sacramento River, Calif.....	500	4,500	.....	.....	500	4,500	67	32,645	51,687	37,145
Feather River, Calif.....	1,722	18,200	39,068	280,000	40,790	278,200	1,050	21,000	41,840	309,200
Eureka Slough, Calif.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

TABLE No. 7.—Commerce on the rivers, canals, and connecting channels of the United States during the calendar year 1920—Continued.

Grand division and locality.	Bulk freight.				Package freight—Miscellaneous.				Total commerce—Receipts and shipments.	
	Miscellaneous.		Rafted and floated timber.		Total bulk freight.		Tons.		Value.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
RIVERS—continued.										
Pacific coast—Continued.										
Freshwater Slough, Calif.	10,000	\$80,000			10,000	\$80,000	410	\$12,500	10,410	\$92,500
Noyo River, Calif.	714	178,000			714	178,000			714	178,000
Casper Creek, mouth of, Calif.	59,422	1,532,565			59,422	1,532,565	1,434	263,788	60,856	1,796,353
Sonoma Creek, Calif.							4,426	79,650	4,426	79,650
Napa Slough, No. 2 and Steamboat Slough, Calif.							2,727	49,086	2,727	49,086
Montezuma Creek, Calif.							2,338	20,280	2,338	20,280
Montezuma Slough, Calif.	1,000	8,000			1,000	8,000	37	3,350	1,037	8,350
Plummer Creek, Calif.	2,000	16,000			2,000	16,000			2,000	16,000
Plummer Slough, Calif.										
Coyote Hill Slough, Calif.							41,550	838,000	41,550	838,000
Coyote River, Oreg.	65,227	170,322	1,550	\$21,494	66,777	191,816	20,141	5,596,249	86,928	5,788,065
Coe River, Oreg.	1,565	136,109	6,149	67,179	7,714	203,288	8,363	2,325,057	16,077	2,528,345
Yacolt River, Oreg.			16,500	181,500	16,500	181,500	5,636	1,270,268	22,136	1,451,768
Columbia River from Vancouver to mouth of Snake River, Oreg. and Washington.	2,660	1,065,319	200	2,200	2,760	1,067,519	13,997	2,881,296	16,757	3,948,815
Snake River, Oreg., Wash., and Idaho.	28,352	1,928,473			28,352	1,928,473	1,616	2,383,283	29,968	2,311,756
Willamette River above Portland and Yamhill River, Oreg.	8,591	27,152	94,048	1,033,981	102,639	1,061,133	7,736	862,976	110,375	1,924,109
Lewis River, Wash.	634,511	5,983,089	552,881	6,013,266	1,187,392	11,996,355	96,656	11,175,256	1,284,048	23,171,611
Cowlitz River, Wash.	3,877	16,745	151,794	2,142,128	155,671	2,158,873	9,799	1,260,329	165,470	3,439,202
Skamokawa Creek, Wash.	3,401	61,383	213,883	2,350,395	217,284	2,411,788	2,636	260,097	219,920	2,671,885
Grays River, Wash.	482	9,334	25,134	686,114	62,720	695,448	1,003	100,451	63,723	703,520
Hoquiam River, Wash. (See Ports.)				276,474	26,616	285,908	4,630	515,367	30,246	801,175
Snohomish River, Wash.	76,297	1,775,481	1,196,729	8,964,113	1,273,026	10,759,594	1,106	19,997	1,274,132	10,779,591
Skagit River, Wash.	18,754	46,410	426,389	2,567,345	445,143	2,613,755	39,128	5,681,950	464,271	8,295,705
Swinomish Slough, Wash.			1,500	7,500	1,500	7,500	13,664	526,788	15,164	534,288
Chehalis River, Wash.			50,000	200,000	50,000	200,000			50,000	200,000
Wishkah River, Wash.			80,000	320,000	100,000	480,000			100,000	480,000
Humptulpy River, Wash.	20,000	180,000		80,000	20,000	80,000			20,000	80,000
Columbia River, between Wenatchie and Kettle Falls, Wash.							8,742	188,000	3,742	188,000

Pond O'Reille River, Wash. and Idaho.	300,000	1,200,000	300,000	1,200,000	300,000	1,200,000	300,000	1,200,000	300,000	1,200,000
Pond O'Reille Lake, Idaho.	80,000	320,000	80,000	320,000	80,000	320,000	80,000	320,000	80,000	320,000
Priest River, Idaho.	300,000	1,200,000	300,000	1,200,000	300,000	1,200,000	300,000	1,200,000	300,000	1,200,000
Kootenai River, Idaho and Mont.	61,069	244,276	61,069	244,276	61,069	244,276	61,069	244,276	61,069	244,276
Fish Lake, Montana.	143,644	574,576	143,644	574,576	143,644	574,576	143,644	574,576	143,644	574,576
Naselle River, Wash.	100,000	400,000	100,000	400,000	100,000	400,000	100,000	400,000	100,000	400,000
Total, Pacific coast.	2,357,265	19,537,144	3,922,912	29,132,541	6,280,168	48,669,885	1,579,044	180,179,584	7,859,212	198,849,269
INTERIOR RIVERS.										
Fox River, Wis.	289,511	2,020,807	289,511	2,020,807	289,511	2,020,807	289,511	2,020,807	289,511	2,020,807
Grand River, Mich.	58,500	60,000	58,500	60,000	58,500	60,000	58,500	60,000	58,500	60,000
Niagara River, N. Y.	122,393	107,336	122,393	107,336	122,393	107,336	122,393	107,336	122,393	107,336
Total interior rivers.	447,374	2,188,143	750	5,000	448,124	2,188,143	3,282	287,413	451,406	2,480,556
CANALS AND CONNECTING CHANNELS.										
Conoy Island Channel, N. Y.	315,103	6,383,318	315,103	6,383,318	315,103	6,383,318	315,103	6,383,318	315,103	6,383,318
Inland waterway from Delaware River to Chesapeake Bay, Del. and Md.	3,064	136,537	3,064	136,537	3,064	136,537	3,064	136,537	3,064	136,537
Inland waterway between Rehoboth Bay and Delaware Bay, Del.	11,216	1,622,894	11,216	1,622,894	11,216	1,622,894	11,216	1,622,894	11,216	1,622,894
Inland waterway from Chincoteague Bay, Va., to Delaware Bay	12,489	807,834	12,489	807,834	12,489	807,834	12,489	807,834	12,489	807,834
Tangier Channel, Va.	10,905	253,907	10,905	253,907	10,905	253,907	10,905	253,907	10,905	253,907
Waterway on the coast of Virginia.	123,333	2,653,292	123,333	2,653,292	123,333	2,653,292	123,333	2,653,292	123,333	2,653,292
Waterway from Norfolk, Va., to the sounds of North Carolina.	91,245	2,428,080	48,000	215,000	130,245	2,443,080	26,942	4,982,404	166,187	7,575,574
Inland waterway from Norfolk, Va., to Beaufort Inlet, N. C.	1,459	16,745	1,459	16,745	1,459	16,745	1,459	16,745	1,459	16,745
Waterway connecting Swan Quarter Bay with Deep Bay, N. C.	3,162	55,840	3,162	55,840	3,162	55,840	3,162	55,840	3,162	55,840
Channel connecting Thoroughfare Bay and Cedar Bay, N. C.	12,023	252,706	5,250	52,500	17,273	305,206	17,381	2,584,206	34,654	2,889,502
Waterway connecting Core Sound and Beaufort Harbor, N. C.	37,985	684,385	26,265	262,650	64,130	947,035	5,930	792,155	70,060	1,679,190
Inland waterway, Beaufort to Jacksonville, N. C.	36,000	765,000	36,000	765,000	36,000	765,000	36,000	765,000	36,000	765,000
Beaufort Inlet, N. C.	1,141	25,991	1,141	25,991	1,141	25,991	1,141	25,991	1,141	25,991
Waterway between Charleston and Winyah Bay, S. C.	4,391	44,569	4,391	44,569	4,391	44,569	4,391	44,569	4,391	44,569
Wappoo Cut, S. C.	175,316	2,902,300	33,408	781,000	208,722	3,683,300	42,660	8,598,200	251,412	12,281,500
Waterway between Beaufort, S. C., and St. Johns River, Fla.	2,763	247,368	2,763	247,368	2,763	247,368	2,763	247,368	2,763	247,368
Channel, from Clearwater Harbor through Boca Ciega Bay to Tampa Bay, Fla.	14,404	288,060	14,404	288,060	14,404	288,060	14,404	288,060	14,404	288,060
Channel from Apalachicola River to St. Andrews Bay, Fla.										
Narrows in Santa Rosa Sound, Fla.										

TABLE No. 7.—Commerce on the rivers, canals, and connecting channels of the United States during the calendar year 1920—Continued.

Grand division and locality.	Bulk freight.				Package freight—Miscellaneous.		Total commerce—Receipts and shipments.			
	Miscellaneous.		Rafted and floated timber.		Total bulk freight.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
CANALS AND CONNECTING CHANNELS—contd.										
Channel between Mobile Bay and Mississippi Sound, Ala.	6,663	\$307,275			6,663	\$307,275	2,282	\$535,145	8,975	\$842,420
Intracoastal Waterway, Franklin to Mermentau, La.	13,258	1,568,696	120	\$750	13,378	1,569,446	1,180	188,920	14,558	1,758,366
Intracoastal Waterway, Calcasieu River to Sabine River, La. and Tex.	3,099	50,859			3,099	50,859	629	107,510	3,728	158,369
Channel between Brazos River and Matagorda Bay, Tex.	100	875			100	875	1,144	112,127	1,244	113,002
Channel from Pass Cavallo to Aransas Pass, Tex.	8,148	114,222			8,148	114,222	263	76,650	8,411	190,872
Channel from Aransas Pass to Corpus Christi, Tex.	8,232	162,660			8,232	162,660	9,710	411,194	17,942	573,884
West Galveston Bay and Brazos River Canal, Tex.	1,460	1,040			1,460	1,040	901	143,504	2,361	144,544
Sabine-Neches Canal, Tex.										(*)
Channel from Pass Cavallo to Port Lavaca, Tex.	27,125	146,572			27,125	146,572	2,399	186,194	29,524	332,766
Cypress Bayou and Waterway, between Jefferson, Tex., and Shreveport, La.	16,546	1,542,050			16,546	1,542,050			16,546	1,542,050
Muscle Shoals Canal, Ala.	3,131	60,240			3,131	60,240	4,986	816,745	8,127	876,985
Illinois and Mississippi Canal.	3,587	24,558			3,587	24,558	3,841	282,460	7,428	257,018
Lake Travers, Minn. and S. Dak.	1,233	98,640			1,233	98,640			1,233	98,640
Keweenaw Waterway, Mich. (through traffic only).	212,033	4,628,118			212,033	4,628,118	132,994	29,444,733	345,027	34,072,851
Sturgeon Bay and Lake Michigan Ship Canal, Wis.	172,658	2,324,530			172,658	2,324,530	25,418	973,470	198,076	3,298,000
St. Marys Falls Canal, Mich.	77,398,754	865,143,224			77,398,754	865,143,224	1,883,742	254,630,990	79,282,496	1,119,774,214
Channels in Lake St. Clair, Mich. 1.										
Detroit River, Mich. 2.										
Waterway connecting Port Townsend Bay and Oak Bay, Wash.	1,400	14,000	28,686	239,033	30,086	253,033	3,488	710,442	33,574	963,475
Lake Washington Ship Canal, Wash.	410,445	3,542,528	918,737	8,223,826	1,329,182	11,766,354	39,716	3,801,475	1,368,898	* 15,567,829
Total, canals and connecting channels.	79,144,381	989,799,993	1,061,300	9,785,991	80,205,681	909,594,954	2,449,369	352,218,103	82,655,050	1,290,803,057

WATERS NOT TRIBUTARY TO THE ATLANTIC, GULF, AND PACIFIC COASTS (LAKE OF THE WOODS, MINN.).									
Zippel Bay, Minn.	4,300	31,720				4,300		420	63,400
Ward Lake, Minn.	5,300	6,187	75,805			81,308		4,811	528,024
Baudette Harbor, Minn.				635,940				43,648	1,950,515
Total.....	9,800	37,907	75,805	635,940		85,608		48,579	2,541,939
Grand total.....	142,064,130	1,408,560,489	9,282,612	60,671,623	151,366,742	1,566,232,112	11,009,339	162,975,781	2,967,228,600

¹ Commerce in amount 75,602,648 tons, value \$1,607,509,390, accounted for in St. Marys Falls Canal.

² Commerce is represented by that shown for St. Marys Falls Canal.

TABLE NO. 8.—*Ferry traffic and cargoes in transit on the rivers, canals, and connecting channels of the United States during the calendar year 1920.*

(NOTE.—Commerce included in this table is additional to that shown in Table No. 7.)

Locality.	Kind of traffic.					
	General ferry.		Car ferry.		Cargoes in transit.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
RIVERS.						
Atlantic coast:						
Hudson River, N. Y.					167,384	\$18,680,680
Hudson River, N. Y. (at Troy)					167,384	18,680,680
Delaware River, Phil- adelphia, Pa., to Trenton, N. J.					69,695	2,750,266
Elk and Little Elk Rivers, Md.					10,000	20,000
Chester River, Md.					3,227	88,101
Brood Creek, Md.					33,680	1,955,708
Potomac River at Washington, D. C.			1,818,724	\$1,818,724,000	1,818,724	1,818,724,000
Anacostia River, D. C.	3,933	\$5,899,500				
Ocmulgee River, Ga.	1,803	244,882				
Oklawaha River, Fla.	2,117	170,646				
Indian River, Fla.						
Total Atlantic coast.	7,853	6,315,028	1,818,724	1,818,724,000	2,270,094	1,890,899,433
Gulf coast:						
Tombigbee River, Ala., from mouth to De- mopolis					213,746	4,444,785
Mississippi River and trib- utaries:						
Red River below Ful- ton, Ark.					7,281	1,718,288
Ouachita and Black Rivers, Ark. and La.					23,555	648,964
Yazoo River, Miss.					96,649	4,070,948
Mississippi River be- tween Missouri River and Minneapolis, Minn.	337,390	40,536,117				
Mississippi River be- tween Ohio and Mis- souri Rivers.			3,532,707	123,449,634		
Ohio River	486,862	145,164,075				
Total Mississippi River and tribu- taries	824,152	185,700,192	3,532,707	123,449,634	127,485	6,438,200
Canals and connecting channels:						
Coney Island Channel, N. Y.					152,510	10,115,096
Channel from Clear Water Harbor through Boca Ciega Bay to Tampa Bay, Fla.	100	20,000				
Channel between Mo- bile Bay and Missis- sippi Sound, Ala.					122,896	1,414,835
Lake Washington Ship Canal, Wash.					17,972	1,190,430
Sabine-Neches Canal, Tex.					3,208,546	140,383,168

TABLE No. 9.—*Water-borne commerce of the ports of the United States for the calendar year 1920, segregated by classes of commodities by grand divisions.*¹
[Quantities expressed in short tons.]

Classes of commodities.	Grand divisions.							
	Atlantic coast.		Gulf coast.		Pacific coast.		Great Lakes.	
	Domestic.	Foreign.	Domestic.	Foreign.	Domestic.	Foreign.	Domestic.	Foreign.
Animals and animal products, except wool and hair.....	2,281,635	582,274	896,365	160,109	288,822	116,078	42,319	2,438
Vegetable food products, oil seeds, expressed oils, and beverages.....	6,095,425	9,764,002	553,995	4,587,338	2,838,136	1,848,994	5,490,026	2,284,582
Other vegetable products, except fibers and wood.....	798,485	553,653	74,291	195,031	22,595	85,631	8,621	2
Textiles.....	1,700,947	852,653	119,825	1,525,998	77,544	292,006	7,556	8,590
Wood and paper.....	3,804,719	1,360,751	853,543	2,246,137	13,495,400	1,244,647	716,250	598,353
Nonmetallic minerals.....	130,978,244	35,880,994	11,523,925	13,808,357	17,382,162	3,372,446	65,452,784	8,166,223
Ores, metals, and manufactures, except machinery and vehicles.....	4,238,504	3,631,067	534,080	660,639	519,085	1,039,278	123,535,542	1,346,575
Machinery and vehicles.....	601,541	359,674	37,645	117,227	81,584	167,970	189,626	2,215
Chemicals.....	5,767,797	2,897,127	1,118,774	1,306,255	204,171	224,854	10,789	18
Unclassified.....	17,626,964	10,973,865	228,871	116,063	4,407,178	166,863	2,060,774	3,008
Total.....	173,862,161	66,945,456	15,941,314	24,798,172	39,286,675	8,568,766	197,494,287	12,400,004
							426,616,437	112,700,268

¹ Includes foreign imports and exports, coastwise receipts and shipments, and other domestic; excludes general ferry and car-ferry traffic and cargoes in transit.

TABLE NO. 10.—Commerce on the rivers, canals, and connecting channels of the United States for the calendar year 1920, segregated by classes of commodities by grand divisions.¹

[Quantities expressed in short tons.]

Classes of commodities.	Atlantic coast.	Gulf coast.	Pacific coast.	Mississippi River and tributaries.	Interior rivers.	Canals and connecting channels.	Waters not tributary to Atlantic, Gulf, or Pacific coast.	Total.
Animals and animal products, except wool and hair.....	345,535	156,147	73,682	109,573	219	186,850	2,652	874,067
Vegetable food products, oil seeds, expressed oils, and beverages.....	603,501	520,713	958,281	817,130	4,491	6,497,927	731	9,402,824
Other vegetable products, except fibers and wood.....	37,886	40,905	17,348	28,560	.....	13,551	.....	138,250
Textiles.....	55,917	4,230	9,553	89,325	.....	4,422	.....	163,457
Wood and paper.....	1,600,314	3,679,783	4,730,768	3,087,286	2,139	2,109,998	80,244	15,280,535
Nonmetallic minerals.....	10,780,326	798,446	1,418,743	44,056,709	444,191	16,059,947	5,944	73,564,306
Ores, metals, and manufactures, except machinery and vehicles.....	535,827	55,906	11,116	1,558,929	.....	56,944,708	.....	60,106,486
Machinery and vehicles.....	46,416	6,624	21,675	106,292	.....	12,470	300	193,777
Chemicals.....	515,568	26,610	132	100,168	60	151,475	.....	794,013
Unclassified.....	650,969	282,312	617,904	1,178,029	306	673,693	44,263	3,447,466
Total.....	15,172,249	5,571,676	7,859,212	51,132,004	451,406	82,655,060	134,184	162,975,781

¹ Domestic commerce. Rivers having foreign commerce are included under ports.

TABLE No. 11.—Domestic water-borne commerce of ports of the United States, separated into bulk and package freight, for the calendar year 1920.¹

	Atlantic coast.		Gulf coast.		Pacific coast.		Great Lakes.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Bulk freight:										
Miscellaneous.....	126,160,882	\$1,725,363,995	11,063,010	\$223,662,824	24,101,546	\$408,215,283	193,149,498	\$1,431,328,547	355,074,036	\$3,786,575,738
• Floated and rafted timber.....	111,190	11,190,538	1,044,498	1,044,498	5,157,556	42,803,872	.....	.....	5,456,315	55,638,898
Total.....	126,271,772	1,736,554,533	11,833,579	225,307,422	29,259,102	449,019,134	193,149,498	1,431,328,547	360,533,951	3,842,214,636
Package freight.....	47,620,389	10,431,640,518	4,067,735	603,324,324	10,027,573	1,352,732,543	4,346,789	896,312,125	66,082,496	13,185,909,510
Grand total bulk and package.....	173,892,161	12,168,195,051	15,941,314	728,631,746	39,286,675	1,801,751,677	197,496,287	2,300,640,672	426,616,437	16,999,124,146

¹ Exclusive of general ferry and car-ferry traffic and cargoes in transit.

TABLE NO. 10.—*Commerce on the rivers, canals, and connecting channels of the United States for the calendar year 1920, segregated by classes of commodities by grand divisions.¹*

[Quantities expressed in short tons.]

Classes of commodities.	Atlantic coast.	Gulf coast.	Pacific coast.	Mississippi River and tributaries.	Interior rivers.	Canals and connecting channels.	Waters not tributary to Atlantic, Gulf, or Pacific coast.	Total.
Animals and animal products, except wool and hair.....	345,535	156,147	73,682	109,573	219	186,859	2,652	874,667
Vegetable food products, oil seeds, expressed oils, and beverages.....	603,501	520,713	958,281	817,130	4,491	6,497,927	731	9,402,824
Other vegetable products, except fibers and wood.....	37,886	40,905	17,348	28,560	.....	13,551	.....	138,250
Textiles.....	55,917	4,230	9,563	89,325	.....	4,422	.....	163,457
Wood and paper.....	1,600,314	3,679,783	4,730,768	3,087,289	2,139	2,109,998	80,244	15,290,535
Nonmetallic minerals.....	10,780,326	798,446	1,418,743	44,056,709	444,191	16,059,947	5,944	73,564,306
Ores, metals, and manufactures, except machinery and vehicles.....	535,827	55,906	11,116	1,558,929	.....	56,944,708	.....	50,106,486
Machinery and vehicles.....	46,416	6,624	21,675	106,292	.....	12,470	300	193,777
Chemicals.....	515,568	26,610	132	100,168	60	151,475	.....	794,013
Unclassified.....	650,959	282,312	617,904	1,178,029	306	673,693	44,263	3,447,466
Total.....	15,172,249	5,571,676	7,859,212	51,132,004	451,406	82,655,060	134,184	162,975,781

¹ Domestic commerce. Rivers having foreign commerce are included under ports.

TABLE No. 11.—Domestic water-borne commerce of ports of the United States, separated into bulk and package freight, for the calendar year 1920.¹

	Atlantic coast.		Gulf coast.		Pacific coast.		Great Lakes.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Bulk freight:										
Miscellaneous.....	128,160,552	\$1,725,368,905	11,663,010	\$223,662,934	24,101,546	\$408,215,262	193,149,498	\$1,431,328,547	355,074,636	\$3,786,575,738
• Floated and rafted timber.....	111,190	11,190,538	100,569	1,644,488	5,157,556	42,803,872	.....	.....	5,459,315	55,638,988
Total.....	128,271,742	1,736,559,533	11,853,579	225,307,422	29,259,102	449,019,134	193,149,498	1,431,328,547	360,533,951	3,842,214,626
Package freight.....	47,620,389	10,431,540,518	4,087,735	503,324,324	10,027,573	1,352,732,543	4,346,789	869,312,125	66,082,486	13,154,909,510
Grand total bulk and package.....	173,892,161	12,168,100,051	15,941,314	728,631,746	39,286,675	1,801,751,677	197,496,287	2,300,640,672	426,616,437	16,997,124,146

¹ Exclusive of general ferry and car-ferry traffic and cargoes in transit.

TABLE NO. 12.—*Passengers carried by water during the calendar year 1920.*

Grand divisions.	Credited to—		Totals by grand divisions.
	Ports.	Rivers.	
Atlantic coast.....	153, 177, 992	1, 391, 327	154, 569, 319
Gulf coast.....	599, 334	135, 107	734, 441
Pacific coast, including Hawaii.....	106, 187, 599	17, 081	106, 204, 680
Great Lakes.....	17, 194, 936	.....	17, 194, 936
Mississippi River and tributaries.....	.....	7, 090, 071	7, 090, 071
Canals and connecting channels.....	.....	372, 812	372, 812
Interior rivers.....	.....	20, 657	20, 657
Waters not tributary to Atlantic, Gulf, or Pacific coasts.....	.....	11, 975	11, 975
Grand total.....	277, 159, 861	9, 039, 030	286, 198, 891

TABLE No. 13.—*Supplementary showing total receipts and shipments of principal commodities by water, 1919 and 1920.*
[Quantities expressed in short tons.]

Commodity.	Foreign.			Domestic.			Grand total. ¹	Adjusted total. ²
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total ¹ .		
1919.								
Cement.....	207,619	180,690	388,309	221,372	202,928	512,671	900,980	644,644
Coal.....	63,219	10,264,144	10,327,363	44,740,279	39,293,351	128,990,789	139,318,582	74,827,732
Copper.....	66,863	87,477	154,340	327,811	283,042	621,124	139,775,464	464,932
Cotton.....	2,733	1,603,896	1,606,629	261,277	355,663	700,602	2,207,231	1,866,930
Fertilizer.....	226,539	5,876	232,415	1,350,641	49,775	2,439,506	2,674,921	1,455,168
Grain.....	93,041	7,225,970	7,319,011	4,654,853	3,670,190	9,891,111	17,210,122	12,284,598
Iron and steel.....	473,935	749,476	1,223,411	52,717,622	53,181,073	105,612,629	106,536,040	54,093,728
Lumber.....	229,797	2,794,522	3,024,319	6,362,793	3,608,763	17,250,570	20,274,889	11,649,604
Petroleum.....	3,343,885	5,472,602	8,816,487	12,424,192	15,638,285	34,703,208	43,519,705	26,168,101
Tobacco.....	29,015	287,335	316,350	122,911	36,269	163,844	43,430,194	348,272
Total.....	4,739,656	28,521,988	33,261,644	123,203,751	167,501,559	300,896,004	334,147,648	183,704,644
1920.								
Cement.....	31,704	230,887	262,591	1,571,241	603,035	2,255,039	2,517,630	1,390,110
Coal.....	1,812,761	26,937,129	28,749,890	55,385,701	77,790,920	146,047,114	174,797,004	101,773,440
Copper.....	161,900	126,143	287,043	387,439	498,006	948,796	1,235,838	761,440
Cotton.....	98,803	1,731,280	1,830,083	268,875	413,718	773,486	2,603,571	2,216,837
Fertilizer.....	2,156,612	738,756	2,895,368	1,269,754	1,852,099	3,310,006	6,202,374	4,547,371
Grain.....	1,996,506	8,076,196	10,072,702	3,253,784	3,812,455	14,034,918	24,107,620	17,090,161
Iron and steel.....	1,841,403	3,724,055	5,565,458	64,665,329	64,039,077	188,082,406	189,617,894	98,591,661
Lumber.....	812,565	3,312,191	4,124,756	6,147,676	6,147,676	25,704,042	29,828,766	16,976,777
Petroleum.....	14,750,414	10,800,458	25,550,872	9,236,711	28,101,437	56,272,310	80,832,182	53,196,027
Pulpwood.....	759,801	13,965	773,766	24,342,199	962,130	3,986,291	1,278,589	1,026,177
Sugar.....	4,297,946	201,043	4,498,989	2,847,286	70,188	3,986,291	8,514,280	6,521,134
Tobacco.....	32,351	208,867	241,218	64,436	70,188	179,173	8,421,391	331,804
Total.....	27,752,766	55,135,970	82,888,736	163,903,521	194,460,910	439,068,406	521,957,141	302,422,936

¹ Includes actual receipts and shipments only.
² The adjusted totals exclude all known duplications and are ascertained by adding the foreign to one-half of the domestic.

TABLE NO. 14.—Receipts and shipments of cement by water for 1919 and 1920.

[Quantity expressed in short tons.]

Locality.	- 1919						Grand total.
	Foreign.			Domestic.			
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total. ¹	
Ports:							
Atlantic coast.....	163, 776	160, 775	324, 551	58, 494	25, 014	108, 755	433, 306
Gulf coast.....		12, 578	12, 578	11, 704	4, 203	15, 907	28, 485
Pacific coast.....	43, 843	7, 337	51, 180	44, 647	20, 319	78, 735	129, 915
Great Lakes.....				104, 793	152, 392	257, 185	257, 185
Rivers:							
Atlantic coast.....				1, 660		10, 542	10, 542
Gulf coast.....						1, 468	1, 468
Pacific coast.....						10, 605	10, 605
Mississippi River.....						22, 952	22, 952
Interior rivers.....						575	575
Canals and connecting channels.....				74		5, 857	5, 857
Total.....	207, 619	180, 690	388, 309	221, 372	202, 928	512, 671	900, 980

Locality.	1920						Grand total.
	Foreign.			Domestic.			
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total. ¹	
Ports:							
Atlantic coast.....	29	197, 128	197, 157	921, 051	340, 481	1, 261, 532	1, 458, 689
Gulf coast.....		11, 660	11, 660	18, 268	1, 005	19, 273	30, 933
Pacific coast.....	6, 456	22, 099	28, 555	80, 626	6, 834	87, 585	116, 140
Great Lakes.....	19, 834		19, 834	227, 080	222, 890	449, 970	469, 804
Rivers:							
Atlantic coast.....	5, 385		5, 385	313, 562	3, 097	328, 836	334, 221
Gulf coast.....				1, 179	1, 655	2, 834	2, 834
Pacific coast.....				3, 077		16, 919	16, 919
Mississippi River.....				5, 204	26, 976	36, 181	36, 181
Interior rivers.....				496		496	496
Canals and connecting channels.....				698	97	1, 413	1, 413
Total.....	31, 704	230, 887	262, 591	1, 571, 241	608, 035	2, 255, 039	2, 517, 630

¹ Includes local traffic not shown under receipts and shipments.

TABLE NO. 15.—Receipts and shipments of coal by water—1919 and 1920.

[Quantities expressed in short tons.]

1919.

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total. ¹	
Ports:							
Atlantic coast	634	10,101,865	10,102,499	18,060,673	7,365,281	30,336,906	40,439,405
Gulf coast	300	118,013	118,313	101,124	54,121	155,249	273,562
Pacific coast	62,285	44,266	106,551	4,989,736	2,267,773	7,257,509	7,364,060
Great Lakes				19,695,661	29,500,900	49,296,561	49,296,561
Rivers:							
Atlantic coast				1,578,459	15,077	4,256,547	4,256,547
Gulf coast				116,178		127,286	127,286
Pacific coast					109	2,605	2,605
Mississippi River				13,354		37,089,225	37,089,225
Interior rivers				181,670		183,356	183,356
Canals and connecting channels				3,424		295,405	295,405
Total	63,219	10,264,144	10,327,363	44,740,279	39,293,351	128,990,739	139,318,102

1920.

Ports:							
Atlantic coast	13,394	20,672,728	20,686,122	29,652,475	34,112,827	68,547,709	89,233,831
Gulf coast	200	379,424	379,624	124,643	64,446	189,089	568,713
Pacific coast	349,201	110,498	459,699	431,861	30,872	462,733	922,432
Great Lakes	1,449,966	5,713,391	7,163,357	19,258,569	21,777,102	41,064,608	48,227,865
Rivers:							
Atlantic coast				4,162,661	463,662	4,652,290	4,652,290
Gulf coast				5,297	170,437	208,485	208,485
Pacific coast				1,577		12,629	12,629
Mississippi River				1,547,105	21,149,434	30,565,721	30,565,721
Interior rivers				199,733		199,733	199,733
Canals and connecting channels		61,088	61,088	1,780	22,140	144,227	205,315
Total	1,812,761	26,937,129	28,749,890	55,385,701	77,790,920	146,047,114	174,797,004

TABLE NO. 16.—Receipts and shipments of copper by water—1919 and 1920.

[Quantities expressed in short tons.]

1919.

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total. ¹	
Ports:							
Atlantic coast	65,796	71,339	137,135	17,279	192,068	209,603	346,738
Gulf coast	1,067	23	1,090	4,236		4,236	5,326
Pacific coast		16,115	16,115	241,372	30,662	272,064	288,179
Great Lakes				64,923	60,282	125,205	125,205
Rivers:							
Atlantic coast				1		10,016	10,016
Total	66,863	87,477	154,340	327,811	283,042	621,124	775,464

1920.

Ports:							
Atlantic coast	79,299	78,113	157,412	316,538	364,888	689,022	846,434
Gulf coast		1,135	1,135	406	74,515	74,921	76,056
Pacific coast	82,601	41,374	123,975	311	10,301	10,612	134,587
Great Lakes		4,521	4,521	53,949	48,104	102,053	106,574
Rivers:							
Atlantic coast				16,225	198	20,642	20,642
Canals and connecting channels						51,545	51,545
Total	161,900	125,143	287,043	387,429	498,006	948,795	1,235,838

¹ Includes local traffic not shown under receipts and shipments.

TABLE NO. 17.—Receipts and shipments of cotton by water—1919 and 1920.

[Quantities expressed in short tons.]

1919.

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total. ¹	
Ports:							
Atlantic coast	1,980	400,429	402,409	267,131	208,024	488,195	890,604
Gulf coast		991,362	991,362	11,732	95,005	118,012	1,109,374
Pacific coast	753	107,819	108,572	532	49,945	50,477	159,049
Great Lakes				824		824	824
Rivers:							
Atlantic coast		4,236	4,236	1,058	4,419	13,594	17,880
Gulf coast					300	5,671	5,671
Mississippi River						20,555	20,555
Canals and connecting channels.....						3,274	3,274
Total.....	2,733	1,503,896	1,506,629	281,277	355,693	700,602	2,207,231

1920.

Ports:							
Atlantic coast	98,288	327,527	425,815	231,485	306,072	571,007	996,822
Gulf coast	77	1,301,463	1,301,540	7,520	82,881	90,401	1,391,941
Pacific coast	438	102,269	102,707		406	406	103,113
Great Lakes		3	3	670		670	673
Rivers:							
Atlantic coast		18	18	24,539	18,950	43,489	43,507
Gulf coast				2,565	682	3,247	3,247
Mississippi River				1,366	4,674	62,980	62,980
Canals and connecting channels.....				730	53	1,288	1,288
Total.....	98,803	1,731,280	1,830,083	268,875	413,718	773,488	2,603,571

TABLE NO. 18.—Receipts and shipments of fertilizer by water—1919 and 1920.

[Quantities expressed in short tons.]

1919.

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total. ¹	
Ports:							
Atlantic coast	139,612	5,376	144,988	1,284,107	40,881	2,009,684	2,154,672
Gulf coast				144	5,851	5,995	5,995
Pacific coast	89,927	500	90,427	2,020	1,158	3,178	93,605
Great Lakes				1,683		1,683	1,683
Rivers:							
Atlantic coast				13,410	1,885	228,049	228,049
Gulf coast						50,853	50,853
Mississippi River						24,206	24,206
Canals and connecting channels.....				49,277		115,851	115,851
Total.....	229,539	5,876	235,415	1,350,641	49,775	2,439,506	2,674,921

¹ Includes local traffic not shown under receipts and shipments.

TABLE NO. 18.—Receipts and shipments of fertilizer by water—1919 and 1920—Con.

[Quantities expressed in short tons.]

1920.

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total. ¹	
Ports:							
Atlantic coast.....	2,002,927	522,793	2,525,720	724,006	1,262,513	1,986,519	4,512,239
Gulf coast.....	97,451	168,515	265,966	17,767	342,125	360,262	626,218
Pacific coast.....	54,884	5,713	60,597	86,636	62,403	149,039	209,636
Great Lakes.....				149		149	149
Rivers:							
Atlantic coast.....		38,735	38,735	419,687	151,283	600,319	639,054
Gulf coast.....				18,067	9,818	27,875	27,875
Mississippi River.....						12,398	12,398
Interior rivers.....					1,230	1,230	1,230
Canals and connecting channels.....			1,350	3,452	2,727	172,225	173,575
Total.....	2,156,612	735,758	2,892,368	1,260,754	1,832,099	3,310,008	6,202,374

TABLE NO. 19.—Receipts and shipments of grain by water—1919 and 1920.

[Quantities expressed in short tons.]

1919.

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total. ¹	
Ports:							
Atlantic coast.....	76,762	3,380,468	3,457,230	821,790	30,899	881,642	4,338,872
Gulf coast.....	2,472	1,746,461	1,748,933	25,499	13,292	39,003	1,787,936
Pacific coast.....	13,807	379,186	392,993	644,862	744,478	1,389,340	1,782,333
Great Lakes.....				2,863,113	2,858,580	5,751,693	5,751,693
Rivers:							
Atlantic coast.....		1,719,855	1,719,855	22,019	21,198	1,053,226	2,773,081
Gulf coast.....				1,345		20,289	20,289
Pacific coast.....				14,427	17	430,945	430,945
Mississippi River.....				229,930		312,279	312,279
Interior rivers.....				166		166	166
Canals and connecting channels.....				1,702	1,649	12,451	12,451
Waterways not tributary to Atlantic, Pacific, or Gulf coasts.....					77	77	77
Total.....	93,041	7,225,970	7,319,011	4,654,863	3,670,190	9,891,111	17,210,122

1920.

Ports:							
Atlantic coast.....	66,147	4,525,673	4,591,820	969,155	447,422	1,574,905	6,166,625
Gulf coast.....	7,850	2,076,169	2,084,019	19,378	36,562	57,820	2,141,839
Pacific coast.....	14,809	791,323	806,132	112,078	271,037	387,609	1,193,741
Great Lakes.....	1,907,700	299,654	2,207,354	1,863,738	2,930,387	4,794,122	7,001,476
Rivers:							
Atlantic coast.....		344,508	344,508	179,072	24,132	344,803	689,311
Gulf coast.....				26,016	5,673	31,689	31,689
Pacific coast.....		38,899	38,899	43,099	32,907	405,106	443,975
Mississippi River.....				36,671	63,411	216,065	216,065
Interior rivers.....				69		69	69
Canals and connecting channels.....				4,508	929	6,222,830	6,222,830
Total.....	1,996,506	8,076,196	10,072,702	3,253,784	3,812,455	14,034,918	24,107,620

¹ Includes local traffic not shown under receipts and shipments.

TABLE NO. 20.—Receipts and shipments of iron and steel by water—1919 and 1920.

[Quantities expressed in short tons.]

Locality.	1919						Grand total.
	Foreign.			Domestic.			
	Imports.	Exports.	Total.	Receipts.	Shipment.	Total. ¹	
Ports:							
Atlantic coast.....	471,030	135,656	606,686	1,094,562	40,110	1,305,699	1,912,385
Gulf coast.....		134,794	134,794	2,541		2,541	137,335
Pacific coast.....	2,905	403,156	406,061	25,542	120,576	146,118	552,179
Great Lakes.....				51,584,356	52,019,248	103,603,604	103,603,604
Rivers:							
Atlantic coast.....				1,330	160	86,354	86,354
Gulf coast.....		75,870	75,870	8,781		23,074	98,944
Pacific coast.....						6,579	6,579
Mississippi River.....						390,656	390,656
Canals and connecting channels.....						48,004	48,004
Total.....	473,935	749,476	1,223,411	52,717,622	52,181,073	105,612,629	106,836,040

Locality.	1920						Grand total.
	Foreign.			Domestic.			
	Imports.	Exports.	Total.	Receipts.	Shipment.	Total. ¹	
Ports:							
Atlantic coast.....	637,548	852,360	1,489,908	281,912	275,837	742,162	2,232,070
Gulf coast.....	32,046	300,225	332,271	17,317	5,065	22,382	354,653
Pacific coast.....	47,469	238,401	285,870	35,431	17,494	52,925	338,795
Great Lakes.....	124,340	1,281,795	1,406,135	63,993,374	63,301,034	127,294,408	128,700,543
Rivers:							
Atlantic coast.....		51,274	51,274	160,898	9,796	363,451	414,725
Gulf coast.....				20,454		20,454	20,454
Pacific coast.....				101		5,624	5,624
Mississippi River.....				155,632	429,521	636,587	636,587
Canals and connecting channels.....				210	330	56,914,413	56,914,413
Total.....	841,403	2,724,055	3,565,458	64,665,329	64,039,077	186,052,406	189,617,864

¹ Includes local traffic not shown under receipts and shipments.

TABLE NO. 21.—Receipts and shipments of lumber by water—1919 and 1920.

[Quantities expressed in short tons.]

Locality.	1919						Grand total.
	Foreign.			Domestic.			
	Imports.	Exports.	Total.	Receipts.	Shipment.	Total. ¹	
Ports:							
Atlantic coast.....	77,407	463,654	541,061	743,196	362,647	2,595,203	3,136,264
Gulf coast.....	30,910	1,762,555	1,793,465	402,522	180,969	583,491	2,376,956
Pacific coast.....	119,700	406,007	525,707	3,980,800	2,040,347	6,021,147	6,546,854
Great Lakes.....				941,832	225,801	1,167,633	1,167,633
Rivers:							
Atlantic coast.....		135,200	135,200	265,034	601,297	1,582,759	1,717,959
Gulf coast.....	1,780	27,106	28,886	27,107	107,770	2,454,635	2,483,521
Pacific coast.....						1,516,404	1,516,404
Mississippi River.....						886,433	886,433
Interior rivers.....						54,000	54,000
Canals and connecting channels.....				2,302	74,712	292,046	292,046
Waterways not tributary to Atlantic, Pacific, or Gulf coast.....					15,120	96,819	96,819
Total.....	229,797	2,794,522	3,024,319	6,362,793	3,608,763	17,250,570	20,274,890

Locality.	1920						Grand total.
	Foreign.			Domestic.			
	Imports.	Exports.	Total.	Receipts.	Shipment.	Total. ¹	
Ports:							
Atlantic coast.....	125,340	520,972	646,312	1,510,246	1,251,543	2,849,048	3,495,360
Gulf coast.....	169,081	1,889,649	2,058,730	431,779	221,295	682,938	2,741,668
Pacific coast.....	267,720	884,310	1,152,030	3,350,591	1,815,067	8,992,341	10,144,371
Great Lakes.....	170,832	3,806	174,638	283,441	234,670	1,118,091	1,292,729
Rivers:							
Atlantic coast.....	3,959	2,640	6,599	283,522	680,590	1,106,523	1,113,122
Gulf coast.....				2,978,946	782,714	3,766,534	3,766,534
Pacific coast.....		10,814	10,814	294,986	276,962	3,426,676	3,437,490
Mississippi River.....				76,808	726,204	2,996,749	2,996,749
Interior rivers.....				2,139		2,139	2,139
Canals and connecting channels.....	75,633		75,633	24,253	158,631	763,003	838,636
Total.....	812,565	3,312,191	4,124,756	9,236,711	6,147,676	25,704,042	29,828,798

¹ Includes local traffic not shown under receipts and shipments.

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TABLE NO. 22.—Receipts and shipments of petroleum by water—1919 and 1920.

[Quantities expressed in short tons.]

Locality.	1919						Grand total.
	Foreign.			Domestic.			
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total. ¹	
Ports:							
Atlantic coast.....	1,367,514	267,118	1,654,632	1,936,691	552,363	5,100,647	6,755,279
Gulf coast.....	1,843,738	4,718,856	6,562,594	835,090	10,442,720	11,280,475	17,843,069
Pacific coast.....	13,819	479,265	493,084	8,554,680	3,877,585	12,432,265	12,925,349
Great Lakes.....				419,493	724,812	1,144,305	1,144,305
Rivers:							
Atlantic coast.....		5,513	5,513	317,970	34,712	3,547,470	3,552,983
Gulf coast.....	98,824	1,850	100,674	327,225	6,082	497,969	598,643
Pacific coast.....				10,015		294,611	294,611
Mississippi River.....				23,025		267,018	267,018
Canals and connecting channels.....				3	2	128,448	128,448
Total.....	3,343,895	5,472,602	8,816,497	12,424,192	15,638,285	34,703,208	43,519,706

Locality.	1920						
	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total. ¹	
Ports:							
Atlantic coast.....	7,773,247	2,938,540	10,711,787	14,444,019	9,552,909	25,033,836	35,745,623
Gulf coast.....	5,988,996	5,718,394	11,707,390	562,242	9,552,142	10,114,758	21,822,138
Pacific coast.....	6,622	1,404,935	1,411,557	6,451,457	6,186,175	13,039,921	14,451,478
Great Lakes.....		124,560	124,560	457,310	682,698	1,140,008	1,264,568
Rivers:							
Atlantic coast.....	973,085	523,627	1,496,712	2,643,556	438,791	3,255,479	4,752,191
Gulf coast.....				154,236	59,220	157,012	157,012
Pacific coast.....	8,464	98,817	107,281	115,805	1,559,147	1,949,065	2,066,366
Mississippi River.....				20,104	65,433	137,541	137,541
Canals and connecting channels.....		595	595	62,044	4,922	444,670	445,265
Total.....	14,760,414	10,809,458	25,569,872	24,910,773	28,101,437	55,272,310	80,832,183

TABLE NO. 23.—Receipts and shipments of pulpwood by water, 1920.

[Quantities expressed in short tons.]

Locality.	1920						Grand total.
	Foreign.			Domestic.			
	Imports.	Exports.	Total.	Receipts.	Shipment.	Total. ¹	
Port:							
Atlantic coast.....	239,150	2,729	241,879	131,949	7,773	141,528	383,407
Gulf coast.....				8,418		8,418	8,418
Pacific coast.....	26,240	11,236	37,476	2,885	1,746	4,631	42,107
Great Lakes.....	404,325		404,325	122,255	57,710	179,965	584,290
Rivers:							
Atlantic coast.....	4,252		4,252	76,680	81,902	166,690	170,942
Gulf coast.....				12		12	12
Mississippi River.....						1,050	1,050
Canals and connecting channels.....	85,834		85,834		1,038	2,529	88,363
Total.....	750,801	13,965	773,766	342,199	150,169	504,823	1,278,589

¹ Includes local traffic not shown under receipts and shipments.

TABLE NO. 24.—*Receipts and shipments of sugar by water, 1920.*

[Quantities expressed in short tons.]

Locality.	1920						Grand total.
	Foreign.			Domestic.			
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total. ¹	
Ports:							
Atlantic coast.....	3,200,125	171,691	3,371,816	764,623	450,616	1,471,265	4,848,081
Gulf coast.....	1,018,293	53,092	1,071,385	63,424	16,283	79,795	1,151,180
Pacific coast.....	69,739	4,269	74,008	853,647	505,871	1,362,989	1,436,997
Great Lakes.....	9,789	991	10,780	24,784	17,580	42,334	58,114
Rivers:							
Atlantic coast.....				66,660	309	89,000	89,000
Gulf coast.....				363,687	1,425	365,112	365,112
Pacific coast.....				407,046		415,420	415,420
Mississippi River.....				3,359	46	147,864	147,864
Canals and connecting channels.....				86		12,512	12,512
Total.....	4,297,946	2,300,043	4,527,989	2,547,286	992,130	3,986,291	8,514,280

TABLE NO. 25.—*Receipts and shipments of tobacco by water, 1919 and 1920.*

[Quantities expressed in short tons.]

Locality.	1919						Grand total.
	Foreign.			Domestic.			
	Imports.	Exports.	Total.	Receipts.	Shipment.	Total. ¹	
Ports:							
Atlantic coast.....	25,242	139,730	164,972	114,133	28,256	142,589	307,361
Gulf coast.....	2,344	95,247	97,591	1,510	2,067	3,577	101,168
Pacific coast.....	1,429	2,358	3,787	7,268	5,946	13,214	17,001
Rivers:							
Atlantic coast.....						96	96
Mississippi River.....						4,069	4,069
Canals and connecting channels.....						509	509
Total.....	29,015	237,335	266,350	122,911	36,269	163,844	430,194

Locality.	1920						Grand total.
	Foreign.			Domestic.			
	Imports.	Exports.	Total.	Receipts.	Shipment.	Total. ¹	
Ports:							
Atlantic coast.....	29,023	143,140	172,163	56,431	68,767	160,699	332,862
Gulf coast.....		58,410	58,410	225	111	357	58,767
Pacific coast.....	3,328	2,353	5,681	6,438	256	6,694	12,375
Great Lakes.....						2	2
Rivers:							
Atlantic coast.....		5,964	5,964	1,093	477	3,294	9,258
Gulf coast.....				43	11	54	54
Pacific coast.....				144		144	144
Mississippi River.....				36	573	5,608	5,608
Canals and connecting channels.....				26	4	2,321	2,321
Total.....	32,351	209,867	242,218	64,436	70,188	179,173	421,391

¹Includes local traffic not shown under receipts and shipments.

COMPARATIVE STATEMENTS OF COMMERCE FOR PRECEDING YEARS
AND THE DETAILED COMMERCE FOR THE CALENDAR YEAR 1920,
OF HARBORS AND WATERWAYS OF THE UNITED STATES UNDER
IMPROVEMENT.

[Arranged according to Engineer districts.]

	Page.		Page.
Boston, Mass.....	92	Nashville, Tenn.....	932
Providence, R. I.....	142	Chattanooga, Tenn.....	943
New York City, first district.....	201	Florence, Ala.....	951
New York City, second district.....	346	Ohio River.....	956
Philadelphia, Pa.....	383	Pittsburgh, Pa.....	968
Wilmington, Del.....	407	Wheeling, W. Va.....	976
Baltimore, Md.....	444	Cincinnati, Ohio, second district..	982
Washington, D. C.....	500	Louisville, Ky.....	988
Norfolk, Va.....	523	Duluth, Minn.....	991
Wilmington, N. C.....	562	Milwaukee, Wis.....	1027
Charleston, S. C.....	610	Chicago, Ill.....	1090
Savannah, Ga.....	629	Detroit, Mich.....	1100
Jacksonville, Fla.....	664	Buffalo, N. Y.....	1146
Montgomery, Ala.....	719	Los Angeles, Calif.....	1200
Mobile, Ala.....	767	San Francisco, Calif., first district..	1218
New Orleans, La.....	797	San Francisco, Calif., second district	1255
Galveston, Tex.....	834	Portland, Oreg., first district.....	1269
Vicksburg, Miss.....	888	Portland, Oreg., second district....	1289
Memphis, Tenn.....	906	Seattle, Wash.....	1310
St. Louis, Mo.....	917	Juneau, Alaska.....	1370
Rock Island, Ill.....	920	Honolulu, Hawaii.....	1372
St. Paul, Minn.....	925	San Juan, P. R.....	1386
Kansas City, Mo.....	928	Mississippi River Commission.....	1394

BOSTON, MASS., DISTRICT.

ST. CROIX RIVER, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910.....	161, 416	\$1, 780, 406	(1)	1916.....	83, 540	\$5, 292, 465	13, 498
1911.....	122, 535	1, 670, 607	(1)	1917.....	61, 896	1, 380, 137	13, 980
1912.....	126, 066	983, 279	(1)	1918.....	23, 355	553, 290	4, 000
1913.....	185, 835	3, 838, 365	(1)	1919.....	17, 806	340, 779	(1)
1914.....	136, 066	2, 506, 529	(1)	1920.....	15, 214	348, 698	.....
1915.....	146, 754	1, 872, 889	(1)				

(1) No statistics available.

STATISTICS FOR THE CALENDAR YEAR 1920.

[Navigation season: About 9 months.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Values.	
	Bulk.	Package.		By com- modities.	By classes.
Receipts, coastwise:					
Wood and paper: Pulpwood.....	7,022		7,022	\$40,966	\$40,966
Nonmetallic minerals.....			3,981		96,744
Coal.....	3,223			39,894	
Refined oil and motor gasoline.....		758		56,850	
Unclassified: Miscellaneous.....	537		537	80,550	80,550
Total receipts, coastwise.....	10,782	758	11,540		218,260
Shipments, coastwise:					
Wood and paper: Lumber.....	3,600		3,600	119,338	119,338
Unclassified: Miscellaneous.....		74		11,100	11,100
Total shipments, coastwise.....	3,600	74	3,674		130,438
Total receipts and shipments.....	14,382	832	15,214		348,698

SUMMARY.

Classes of commodities.	Tons.	Value.
Domestic coastwise:		
Nonmetallic minerals.....	3,981	\$96,744
Wood and paper.....	10,622	160,304
Unclassified.....	611	91,650
Total.....	15,214	348,698

BAR HARBOR, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1898.....	22,175	(1)	(1)	1910.....	40,000	(1)	(1)
1899.....	24,393	(1)	(1)	1911.....	65,250	(1)	236,436
1900.....	(1)	(1)	(1)	1912.....	26,414	\$423,453	243,599
1901.....	42,150	(1)	(1)	1913.....	35,989	1,555,289	219,228
1902.....	(1)	(1)	(1)	1914.....	37,037	2,291,754	119,615
1903.....	(1)	(1)	(1)	1915.....	39,455	1,440,965	92,715
1904.....	(1)	(1)	(1)	1916.....	33,239	1,684,463	92,199
1905.....	(1)	(1)	(1)	1917.....	27,723	2,570,203	75,157
1906.....	(1)	(1)	(1)	1918.....	27,327	2,066,671	53,618
1907.....	47,352	(1)	110,585	1919.....	20,648	1,710,083	68,891
1908.....	332,000	(1)	125,000	1920.....	23,954	1,379,751	51,687
1909.....	68,889	(1)	107,521				

1 No statistics available.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
Receipts, coastwise:					
Vegetable food products.....			1,552		\$91,906
Grain.....		297		\$19,602	
Flour.....		139		19,460	
Corn and oats.....		600		40,000	
Hay.....	451			9,090	
Potatoes.....		65		3,884	
Wood and paper.....			4,749		23,470
Wood.....	4,657			20,710	
Lumber.....	92			2,760	
Nonmetallic minerals.....			10,519		209,579
Sand.....	60			150	
Coal.....	9,295			101,124	
Cement.....		205		3,075	
Refined oil.....		204		51,000	
Motor gasoline.....		753		52,710	
Lubricating oil.....		2		500	
Chemicals: Fertilizer.....		22	22	836	836
Unclassified.....			5,306		804,900
Household goods.....		37		5,550	
Miscellaneous.....		5,329		799,350	
Total receipts, coastwise.....	14,555	7,653	22,208		1,129,731
Shipments:					
Nonmetallic minerals: Cement.....		88	88	1,320	1,320
Unclassified: Miscellaneous.....		1,658	1,658	248,700	248,700
Total shipments coastwise.....		1,746	1,746		250,020
Total receipts and shipments.....	14,555	9,399	23,954		1,379,751

SUMMARY.

Classes of commodities.	Tons.	Value.
Domestic, coastwise:		
Vegetable food products, oil seeds, expressed oils, and beverages.....	1,552	\$91,906
Wood and paper.....	4,749	23,470
Nonmetallic minerals.....	10,607	209,579
Chemicals.....	22	836
Unclassified.....	7,024	1,053,600
Total.....	23,954	1,379,751

Vessel classification, 1920.

During the calendar year 1920 there were arrivals and departures of 60 sailing vessels, 7 barges, and 47 motor boats. In addition, there is a considerable traffic handled by some five or six small steamers, which make two trips a week to adjacent points during fall and winter; and during the summer as many trips as traffic demands. A total of 51,687 passengers was also carried by these steamers during the year.

PENOBSCOT RIVER, ME.
Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891.....	931,780	(1)	(1)	1906.....	672,895	(1)	(1)
1892.....	714,935	(1)	(1)	1907.....	451,806	(1)	(1)
1893.....	565,887	(1)	(1)	1908.....	552,332	(1)	120,500
1894.....	750,313	(1)	(1)	1909.....	650,497	(1)	80,000
1895.....	617,859	(1)	(1)	1910.....	596,434	(1)	79,500
1896.....	715,911	(1)	(1)	1911.....	655,304	(1)	65,723
1897.....	790,098	(1)	(1)	1912.....	549,476	\$11,000,000	78,500
1898.....	639,671	(1)	(1)	1913.....	551,789	4,975,690	(1)
1899.....	658,632	(1)	(1)	1914.....	571,721	4,634,597	62,000
1900.....	917,835	(1)	(1)	1915.....	432,436	4,984,022	51,850
1901.....	708,012	(1)	(1)	1916.....	396,028	7,857,096	50,295
1902.....	689,369	(1)	(1)	1917.....	340,198	8,229,880	29,381
1903.....	861,579	(1)	(1)	1918.....	310,062	7,664,711	22,094
1904.....	812,273	(1)	(1)	1919.....	209,185	8,800,754	37,467
1905.....	845,872	(1)	100,000	1920.....	300,399	9,489,428	47,632

¹ No statistics available.

[Navigation season, about 9 months.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
Receipts, coastwise:					
Chemicals—Fertilizer.....		9,370	9,370	\$702,750	\$702,750
Nonmetallic minerals.....			261,304		4,606,974
Coal.....	231,449			2,710,581	
Petroleum and products.....		29,805		1,896,318	
Gravel.....	50			75	
Wood and paper.....			22,884		2,247,304
Lumber.....	541			12,984	
Newsprint paper.....		22,343		2,234,320	
Machinery and vehicles—Farm ma- chinery.....	25		25	10,000	10,000
Unclassified—Miscellaneous.....		8,395	8,395	1,259,250	1,259,250
Total receipts, coastwise.....	232,065	69,913	301,978		8,826,278
Shipments, coastwise:					
Unclassified—Miscellaneous.....		4,421	4,421	663,150	663,150
Total receipts and shipments.....	232,065	74,334	306,399		9,489,428

SUMMARY.

Classes of commodities.	Tons.	Value.
Domestic, coastwise:		
Chemicals.....	9,370	\$702,750
Nonmetallic minerals.....	261,304	4,606,974
Wood and paper.....	22,884	2,247,304
Machinery and vehicles.....	25	10,000
Unclassified.....	12,816	1,922,400
Total.....	306,399	9,489,428

Vessel classification, 1920.

During the calendar year the following vessels, all American, arrived at Bangor and Bucksport:

Steamers.....	372	Lighthouse steamers.....	2
Barges.....	115	Destroyers.....	2
Schooners.....	26	Mine sweeper.....	1
Steam yachts.....	15		
Gas yachts.....	3	Total.....	586

A total of 47,632 passengers were carried on the river.

ROCKLAND HARBOR, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year. -	Tons.	Value.	Passengers.
1901.....	433,760	(1)	(1)	1906.....	591,250	(1)	59,190
1902.....	523,805	(1)	(1)	1907.....	556,250	(1)	129,375
1903.....	538,566	(1)	(1)	1908.....	493,950	(1)	135,149
1904.....	509,853	(1)	(1)	1909.....	828,795	(1)	133,714
1905.....	615,830	(1)	(1)	1910.....	700,220	(1)	132,940
1906.....	580,295	(1)	(1)	1911.....	605,150	(1)	131,923
1907.....	594,992	(1)	(1)	1912.....	712,990	\$14,533,667	140,337
1908.....	597,300	(1)	(1)	1913.....	668,018	14,334,860	117,642
1909.....	755,649	(1)	(1)	1914.....	470,139	13,087,837	120,675
1900.....	553,000	(1)	(1)	1915.....	552,132	13,842,067	112,740
1901.....	522,175	(1)	(1)	1916.....	600,144	20,551,505	117,555
1902.....	470,825	(1)	(1)	1917.....	320,358	18,321,073	77,834
1903.....	498,660	(1)	(1)	1918.....	272,336	16,380,912	50,000
1904.....	512,170	(1)	(1)	1919.....	128,794	5,226,754	73,164
1905.....	562,950	(1)	(1)	1920.....	* 54,244	* 3,687,096	60,768

* No statistics available.

* Complete statistics could not be obtained.

(Navigation season, year round.)

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise:					
Animals and animal products, except wool and hair: Fish.....	16,299		16,299	\$838,449	\$838,449
Wood and paper.....			2,805		43,887
Cordwood.....		1,353		4,787	
Lumber.....	1,462			39,100	
Nonmetallic minerals.....			19,771		706,496
Sand.....	700			1,300	
Gravel.....	400			600	
Salt.....	1,200			18,000	
Brick.....	150			1,500	
Coke.....	327			3,597	
Coal.....	7,635			88,022	
Petroleum products.....	9,359			593,467	
Unclassified: Miscellaneous.....		6,177	6,177	926,550	926,550
Total receipts, coastwise.....	37,522	7,530	45,052		2,515,372
Shipments, coastwise:					
Animals and animal products, except wool and hair: Fish.....	529		529	61,175	61,175
Nonmetallic minerals: Coal.....	1,000		1,000	16,699	16,699
Unclassified: Miscellaneous.....		7,663	7,663	1,094,450	1,094,450
Total shipments, coastwise.....	1,529	7,663	9,192		1,172,324
Total receipts and shipments.....	39,051	15,193	54,244		3,687,696

SUMMARY.

Classes of commodities.	Tons.	Value.
Domestic, coastwise:		
Animals and animal products, except wool and hair.....	16,828	\$899,624
Wood and paper.....	2,805	43,887
Nonmetallic minerals.....	20,771	723,185
Unclassified.....	13,840	2,021,000
Total.....	54,244	3,687,696

GEORGES RIVER, ME.

THOMASTON HARBOR.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896.....	45,375	(1)	(1)	1909.....	(1)	(1)	(1)
1897.....	64,250	(1)	(1)	1910.....	(1)	(1)	(1)
1898.....	59,000	(1)	(1)	1911.....	(1)	(1)	(1)
1899.....	60,000	(1)	(1)	1912.....	(1)	(1)	(1)
1900.....	29,225	(1)	(1)	1913.....	(1)	(1)	(1)
1901.....	60,000	(1)	(1)	1914.....	22,500	\$275,000	9,100
1902.....	45,000	(1)	(1)	1915.....	13,188	250,000	6,000
1903.....	21,050	(1)	(1)	1916.....	22,850	414,150	7,500
1904.....	(1)	(1)	(1)	1917.....	19,025	440,950	7,500
1905.....	25,300	(1)	(1)	1918.....	5,198	379,000	500
1906.....	18,950	(1)	(1)	1919.....	5,675	257,800	500
1907.....	(1)	(1)	(1)	1920.....	4,520	69,760	2,852
1908.....	(1)	(1)	(1)				

¹ No statistics available.

² Annually (about) 22,500.

[Navigation season, about 10 months.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise:					
Wood and paper: Wood.....	1,200		1,200	\$7,200	\$7,200
Nonmetallic minerals: Coal.....	2,920		2,920	52,560	52,560
Total receipts, coastwise.....	4,120		4,120		59,760
Shipments, coastwise:					
Wood and paper: Lumber.....	400		400	10,000	10,000
Total receipts and shipments.....	4,520		4,520		\$69,760

SUMMARY.

Classes of commodities.	Tons.	Value.
Domestic, coastwise:		
Wood and paper.....	1,600	\$17,200
Nonmetallic minerals.....	2,920	52,560
Total.....	4,520	69,760

Vessel classification, 1920.

Classes.	American.	Passengers.
Sailing vessels.....	18	
Barges.....	2	
Motor boats.....	150	2,852
Totals.....	170	2,852

KENNEBEC RIVER, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891.....	1,210,474	(1)	(1)	1906.....	997,548	\$4,849,550	(1)
1892.....	1,263,145	(1)	(1)	1907.....	329,582	1,523,691	(1)
1893.....	970,938	(1)	(1)	1908.....	377,238	1,379,962	101,144
1894.....	1,207,965	(1)	(1)	1909.....	459,637	2,746,421	158,213
1895.....	1,162,972	(1)	(1)	1910.....	412,793	2,627,620	542,101
1896.....	(1)	(1)	(1)	1911.....	298,256	(1)	172,052
1897.....	665,991	(1)	(1)	1912.....	281,700	5,139,850	150,000
1898.....	1,211,808	(1)	(1)	1913.....	419,810	3,484,750	136,159
1899.....	714,199	(1)	(1)	1914.....	271,905	2,934,964	357,818
1900.....	716,930	(1)	(1)	1915.....	275,950	3,515,500	559,376
1901.....	542,626	(1)	(1)	1916.....	277,700	6,600,550	410,096
1902.....	431,118	(1)	(1)	1917.....	123,555	4,927,000	370,182
1903.....	499,849	(1)	(1)	1918.....	99,513	1,625,377	445,871
1904.....	468,980	(1)	88,954	1919.....	125,265	3,082,863	*51,574
1905.....	400,735	(1)	(1)	1920.....	140,487	2,106,866	*40,030

¹ No statistics available.

² Does not include ferry service.

[Navigation season, about 9 months.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise:					
Wood and paper: Lumber.....	9,535		9,535	\$221,060	\$221,050
Nonmetallic minerals.....			126,177		1,516,963
Fuel oil.....	4,486			97,751	
Feldspar.....	7,457			40,000	
Sand.....	628			488	
Molding sand.....	350			2,700	
Coal.....	113,256			1,376,044	
Ores, metals, and manufactures, except machinery and vehicles.....			82		19,632
Furnaces and boiler heads.....		64		15,602	
Plates.....		18		4,030	
Unclassified: Miscellaneous.....		241	241	37,708	37,708
Total receipts, coastwise.....	135,712	323	136,035		1,795,371
Shipments, coastwise:					
Vegetable food products, oil seeds, expressed oils, and beverages: Grain.....		100	100	4,000	4,000
Nonmetallic minerals.....			3,557		60,282
Paving.....	1,600			18,000	
Bunker oil.....	1,957			44,282	
Ores, metals, and manufactures, except machinery and vehicles.....			377		136,513
Boilers.....		375		136,000	
Steel plates.....		2		513	
Machinery and vehicles: Miscellaneous.....		180	180	75,000	75,000
Unclassified: Miscellaneous.....		238	238	35,700	35,700
Total shipments, coastwise.....	3,557	895	4,452		311,495
Total receipts and shipments.....	139,269	1,218	140,487		2,106,866

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Domestic, coastwise:		
Vegetable food products, oil seeds, expressed oils, and beverages.....	100	\$4,000
Wood and paper.....	9,535	221,050
Nonmetallic minerals.....	129,734	1,577,265
Ores, metals, and manufactures, except machinery and vehicles.....	459	156,145
Machinery and vehicles.....	180	75,000
Unclassified.....	479	73,406
Total.....	140,487	2,106,866

Vessel classification, 1920.

During the calendar year 1920 the following vessels, all American, carried freight or passengers on the river.

Steamers.....	2,518
Sailing vessels.....	1
Barges.....	137
Lighters.....	3
Scows.....	533
Motor boats.....	130
Total.....	1,322
Number of passengers carried.....	40,020

In addition, there are two small steamers in regular service between Bath and Popham Beach, about 13 miles, carrying passengers and a small amount of miscellaneous freight. The passengers and freight are included in the foregoing tables.

PORTLAND HARBOR, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891.....	1,368,237	(1)	(1)	1906.....	2,546,625	(1)	1,213,384
1892.....	1,376,315	(1)	(1)	1907.....	3,246,863	\$36,719,676	1,221,379
1893.....	1,432,305	(1)	(1)	1908.....	2,932,617	86,054,108	1,581,991
1894.....	1,214,887	(1)	(1)	1909.....	2,956,011	95,223,801	1,689,894
1895.....	1,339,064	(1)	(1)	1910.....	2,889,403	93,437,498	1,729,036
1896.....	1,357,575	(1)	(1)	1911.....	3,162,024	96,751,740	1,967,114
1897.....	1,326,944	(1)	(1)	1912.....	3,259,949	107,981,000	1,454,238
1898.....	1,334,752	(1)	(1)	1913.....	3,339,538	128,506,579	1,480,422
1899.....	1,620,294	(1)	(1)	1914.....	2,797,760	117,901,294	1,215,683
1900.....	2,261,008	(1)	(1)	1915.....	2,990,076	145,884,161	1,711,502
1901.....	2,461,515	(1)	(1)	1916.....	3,738,074	217,325,014	1,231,721
1902.....	2,224,091	(1)	(1)	1917.....	2,905,423	136,560,480	762,017
1903.....	2,312,457	(1)	(1)	1918.....	3,138,152	138,823,658	779,773
1904.....	2,233,475	(1)	1,301,742	1919.....	2,671,605	154,057,352	740,486
1905.....	2,576,403	(1)	1,129,484	1920.....	2,461,237	110,968,626	507,103

1 No statistics available.

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		1,091		\$310,733
Fish.....	921		\$126,432	
Hides.....	170		184,301	
Vegetable food products, oil seeds, expressed oils, and beverages.....		4,792		1,370,234
Cocoa.....	400		169,824	
Liquor.....	3,167		945,775	
Molasses and sugar.....	17		2,500	
Oil and oilcakes.....	553		206,705	
Provisions.....	655		45,430	
Other vegetable products, except fibers and wood.....		675		762,704
Rubber goods.....	390		641,410	
Seeds.....	205		30,850	
Tobacco.....	80		90,444	
Textiles.....		3,388		1,780,148
Cotton and cotton goods.....	277		323,225	
Jute.....	530		162,060	
Linen.....	129		106,920	
Rope.....	250		70,625	
Silk.....	28		27,050	
Hemp.....	552		28,570	
Wool and woolen goods.....	1,622		1,061,698	
Wood and paper.....		79,039		734,498
Lumber and cooperage.....	49		39,805	
Paper and paper stock.....	867		32,947	
Pulpwood.....	74,348		597,771	
Wood.....	3,775		64,175	
Nonmetallic minerals.....		257,564		2,618,027
China clay.....	75,730		910,090	
Cement, lime, brick, clay.....	100		499	
Coal.....	7,037		70,370	
Earthenware.....	200		74,703	
Grindstones.....	6		989	
Fuller's earth.....	63		1,228	
Fuel oil.....	163,933		1,539,743	
Salt.....	10,435		20,405	
Ores, metals, and manufactures, except machinery and vehicles.....		142		261,286
Copper and brass.....	61		25,525	
Tin.....	81		235,761	
Machinery and vehicles.....		3,120		272,630
Airplanes.....	32		16,000	
Machinery, iron and steel.....	3,088		256,630	
Chemicals.....		649		159,503
Miscellaneous chemicals.....	75		43,931	
Paints.....	537		85,913	
Medicines.....	37		29,659	
Unclassified.....		6,197		699,496
Hats.....	51		30,746	
Household effects.....	63		28,127	
Miscellaneous.....	6,093		630,623	
Total imports.....		356,647		8,959,449
EXPORTS.				
Animals and animal products, except wool and hair.....		26,931		13,251,996
Cattle and beef.....	15,841		6,656,264	
Cheese.....	6,730		3,338,413	
Fish and lobsters.....	67		67,000	
Leather, shoes, etc.....	633		1,023,477	
Pork and pork products.....	3,660		2,166,841	
Vegetable food products, oil seeds, expressed oils, and beverages.....		539,620		47,366,903
Apples.....	4,752		480,089	
Canned goods.....	5,162		740,882	
Glucose.....	122		18,488	
Grain and flour.....	522,057		45,006,226	
Molasses and sugar.....	385		242,202	
Oil and oilcakes.....	90		44,911	
Potatoes.....	264		17,625	
Provisions.....	6,788		806,480	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Other vegetable products, except fibers and wood.....		1,078		\$894,888
Rubber and rubber goods.....	526		\$659,617	
Seeds.....	552		235,271	
Textiles.....		1,671		1,228,54
Cotton and cotton goods.....	109		509,451	
Twine.....	397		102,715	
Wool and woolen goods.....	408		531,972	
Wool products.....	757		84,406	
Wood and paper.....		18,368		981,316
Books.....	4		3,181	
Lumber and cooperage.....	15,731		571,727	
Paper and paper stock.....	2,120		335,018	
Pulpboard.....	513		71,390	
Nonmetallic minerals.....		760		67,430
Asbestos.....	218		14,700	
Glass bottles.....	542		52,730	
Ores, metals, and manufactures, except machinery and vehicles.....		7,405		133,173
Copper and brass.....	397		102,386	
Enameled ware.....	7,008		30,787	
Machinery and vehicles.....		2,172		1,295,997
Automobiles.....	620		544,542	
Agricultural implements.....	435		90,195	
Machinery, iron and steel.....	1,117		661,260	
Chemicals.....		350		655,306
Paints.....	260		588,062	
Miscellaneous chemicals.....	90		67,243	
Unclassified.....		330		375,555
Household effects.....	28		60,138	
Miscellaneous.....	302		315,417	
Total exports.....		598,685		66,241,106
Total imports and exports.....		955,332		75,200,555

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair: Fish and lobsters.....		11,984	11,984	\$839,451	\$839,451
Vegetable food products, oil seeds, expressed oils, and beverages.....			668		108,000
Canned goods.....		272		63,000	
Molasses.....		391		45,000	
Wood and paper.....			32,576		475,000
Lumber.....	28,750			375,000	
Railroad ties.....	3,826			100,000	
Nonmetallic minerals.....			1,368,457		22,515,521
Coal.....	1,183,961			11,532,750	
Clay.....	899			4,495	
Sulphur.....	108,143			7,137,438	
Cement.....		979		14,635	
Salt.....	11,040			14,000	
Petroleum products.....		63,435		3,812,153	
Chemicals: Fertilizer.....		923	923	54,000	54,000
Unclassified: Miscellaneous.....		35,657	35,657	5,323,350	5,323,350
Total receipts, coastwise.....	1,336,619	113,641	1,450,260		29,315,322
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair.....			57		61,000
Fish.....	49			49,000	
Leather shoes.....		8		12,000	
Vegetable food products, oil seeds, expressed oils, and beverages.....			4,420		524,200
Canned goods.....		2,849		427,350	
Table water.....		81		81,000	
Grain, flour, hay.....		1,490		15,850	
Wood and paper.....			11,806		1,138,246
Lumber.....	15			1,500	
Cooperage.....	4,015			184,900	
Paper.....		7,859		951,146	
Manufactured wood.....		7		700	
Nonmetallic minerals.....			7,328		65,753
Petroleum oils.....		245		16,731	
Gas tar.....	2,087			26,568	
Paving.....	4,687			16,404	
Coal.....	109			1,050	
Cement and lime.....		200		5,000	
Ores, metals, and manufactures, except machinery and vehicles: Iron and steel.....		17	17	10,200	10,200
Chemicals: Medicine.....		23	23	18,400	18,400
Unclassified.....			31,904		4,634,950
Books, toys, and household effects.....		2		2,050	
Miscellaneous.....		31,902		4,632,900	
Total shipments, coastwise.....	10,962	44,683	55,645		6,452,749
Total receipts and shipments.....	1,347,581	158,324	1,505,905		35,768,071

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	1,091	\$310,733	26,931	\$13,251,995	12,041	\$900,451	40,063	\$14,463,179
Vegetable food products, oil seeds, expressed oils, and beverages.....	4,792	1,370,234	539,620	47,356,903	5,083	632,200	549,495	49,350,337
Other vegetable products, except fibers and wood.....	675	762,704	1,078	894,888			1,753	1,667,592
Textiles.....	3,388	1,790,148	1,671	1,228,544			5,059	3,008,692
Wood and paper.....	79,039	734,498	18,368	981,316	44,472	1,613,246	141,879	3,329,060
Nonmetallic minerals.....	257,554	2,618,027	760	67,430	1,375,785	22,581,274	1,634,069	25,266,731
Ores, metals, and manufactures, except machinery and vehicles.....	142	261,286	7,405	123,173	17	10,200	7,564	404,659
Machinery and vehicles.....	3,120	272,820	2,172	1,295,997			5,292	1,568,817
Chemicals.....	649	150,506	350	655,305	946	72,400	1,945	887,208
Unclassified.....	6,197	689,496	330	375,555	67,561	9,958,300	74,088	11,023,351
Total.....	356,647	8,950,449	598,685	66,241,106	1,505,905	35,768,071	2,461,237	110,968,626

Vessel arrivals, 1920.

Classes.	American.		Foreign.	Total.	Passengers.
	Coastwise trade.	Foreign trade.			
Steamers.....	193	98	123	414	507,108
Sailing vessels.....	11	10	24	45	
Barges.....	240		3	243	
Motor boats.....		13	5	18	
Total.....	444	121	155	720	507,108

SACO RIVER, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891.....	49,765	(1)	(1)	1906.....	40,679	\$206,735	(1)
1892.....	47,108	(1)	(1)	1907.....	46,120	242,679	9,500
1893.....	59,765	(1)	(1)	1908.....	44,074	216,517	10,500
1894.....	47,350	(1)	(1)	1909.....	50,745	241,597	7,000
1895.....	62,129	(1)	(1)	1910.....	47,155	220,000	15,000
1896.....	46,956	(1)	(1)	1911.....	66,641	300,000	16,000
1897.....	42,214	(1)	(1)	1912.....	51,967	300,000	15,500
1898.....	44,508	(1)	(1)	1913.....	68,855	385,000	30,000
1899.....	46,597	(1)	(1)	1914.....	64,261	325,000	(1)
1900.....	50,354	(1)	(1)	1915.....	65,708	325,000	12,000
1901.....	42,625	(1)	(1)	1916.....	59,602	378,354	(1)
1902.....	38,072	(1)	(1)	1917.....	53,216	516,386	14,000
1903.....	38,879	(1)	(1)	1918.....	37,627	365,840	5,000
1904.....	39,730	(1)	(1)	1919.....	45,246	464,677	6,000
1905.....	48,537	(1)	(1)	1920.....	42,715	524,699	(1)

¹ No statistics available.

[Navigation season, about 9½ months.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
Receipts, coastwise: Nonmetallic minerals: Coal.....	42,715	.....	42,715	\$324,699	\$524,699

Vessel classification.

American barges, 34.

PORTSMOUTH HARBOR, N. H.

[PEPPERELLS COVE, ME.]

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910.....	701,398	\$1,956,564	(1)	1916.....	190,185	\$1,318,200	729,842
1911.....	610,716	2,762,822	(1)	1917.....	109,781	1,094,122	725,221
1912.....	441,700	1,440,000	(1)	1918.....	141,346	1,612,359	755,571
1913.....	441,875	1,893,125	1,000,000	1919.....	54,395	568,192	1,056,279
1914.....	534,015	2,379,302	(1)	1920.....	86,348	955,909	1,783,286
1915.....	490,447	2,475,675	714,001				

¹ No statistics available.² Includes 757,404 passengers carried by ferry.

[Navigation season, year round.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
Receipts, coastwise: Nonmetallic minerals: Coal.....	86,348	.....	86,348	\$955,909	\$955,909

Vessel classification, 1920.

Steamers, average draft 15 feet.....	4
Barges, average draft 16 feet.....	30
Passengers ferried.....	757,404
Other steamer passengers.....	25,892

The ferry passengers were carried by street railway ferry between Portsmouth, N. H., and Kittery, Me.

NEWBURYPORT HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1899.....	180,600	(1)	1910.....	181,401	\$951,254
1900.....	128,440	(1)	1911.....	217,301	863,099
1901.....	183,000	(1)	1912.....	148,047	671,056
1902.....	107,135	(1)	1913.....	177,064	910,359
1903.....	140,518	(1)	1914.....	183,428	967,374
1904.....	158,102	(1)	1915.....	174,887	978,000
1905.....	165,833	(1)	1916.....	90,606	756,504
1906.....	169,975	(1)	1917.....	43,906	488,849
1907.....	206,896	(1)	1918.....	23,854	239,262
1908.....	251,239	(1)	1919.....	42,371	559,645
1909.....	212,029	(1)	1920.....	32,230	627,946

¹ No statistics available.

[Navigation season, year round.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
Receipts, coastwise:					
Wood and paper, Lumber.....	43		43	\$1,700	\$1,700
Nonmetallic minerals.....			32,187		626,246
Coal.....	28,126			341,948	
Petroleum and products.....	4,061			284,298	
Total receipts.....	32,230		32,230		627,946

Of this freight, 16,354 tons were reshipped to points on Merrimack and Powow Rivers during 1920.

SUMMARY.

Classes of commodities.	Tons.	Value.
Nonmetallic minerals.....	32,187	\$626,246
Wood and paper.....	43	1,700
Total.....	32,230	627,946

Vessel classification, 1920.

American:		
Sailing vessels.....		1
Barges.....		42
Total.....		43

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MERRIMACK RIVER, MASS.

[ABOVE NEWBURYPORT.]

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1899.....	52,000	(1)	1910.....	102,178	\$540,588
1900.....	60,000	(1)	1911.....	108,686	485,618
1901.....	60,000	(1)	1912.....	86,651	438,706
1902.....	29,901	(1)	1913.....	108,669	551,000
1903.....	65,400	(1)	1914.....	88,559	501,265
1904.....	76,527	(1)	1915.....	89,529	530,665
1905.....	88,324	(1)	1916.....	43,062	408,231
1906.....	73,827	(1)	1917.....	18,031	257,830
1907.....	98,442	(1)	1918.....	15,681	178,248
1908.....	113,840	(1)	1919.....	18,097	361,206
1909.....	107,621	(1)	1920.....	16,354	501,453

¹ No statistics available.

[Length of the navigation season on the Merrimack River above Newburyport extends generally from Apr. 1 to Nov. 30.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul (miles).	Rate per ton-mile (gross ton). ¹
	Bulk.	Package.		By commodities.	By classes.		
Receipts, coastwise:							
Nonmetallic minerals.....			16,354	\$501,453			
Coal.....	11,582			\$167,448		9 10 16	\$0.077 .075 .046
Petroleum and products	4,772			334,005		(2)	
Total.....	16,354		16,354	501,453			

¹ There is also a transferring charge at Newburyport.² It is not practicable to furnish rate per ton-mile, for the reason that towage on the oil is based on lump-sum prices from Boston to Haverhill, which includes a tow of more than 50 miles by sea before entering Merrimack River.

SUMMARY.

Classes of commodities.	Tons.	Value.
Nonmetallic minerals.....	16,354	\$501,453

Vessel classification, 1920.

American:		
Barges.....		11
Lighters.....		72
Total.....		83

BOSTON HARBOR, MASS.¹

[Including Chelsea Creek and Fort Point Channel, for which see details following.]

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1901.....	(?)	\$197,004,881	1911.....	(?)	\$189,575,378
1902.....	(?)	164,798,905	1912.....	1,980,988	216,310,889
1903.....	(?)	169,192,816	1913.....	2,365,032	202,400,253
1904.....	(?)	174,135,076	1914.....	(?)	227,663,742
1905.....	(?)	199,863,885	1915.....	(?)	284,467,813
1906.....	(?)	209,703,986	1916.....	(?)	380,454,511
1907.....	(?)	228,025,076	1917.....	(?)	432,378,337
1908.....	(?)	173,475,517	1918.....	(?)	503,760,622
1909.....	(?)	199,968,548	1919.....	5,456,172	706,223,322
1910.....	(?)	190,930,966	1920.....	6,290,389	864,895,536

¹ The Port of Boston comprises in addition, Mystic River, Malden River, Dorchester Bay, and Neponset River, Weymouth Fore River, and Weymouth Back River.² No statistics available.

NOTE.—Prior to 1919 all figures cover foreign commerce only.

[Navigation season, year-round.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		68,109		\$40,413,985
Cattle.....	1,637		\$360,142	
Horses.....	90		32,637	
Sheep.....	70		17,705	
Swine.....	1		214	
Other animals.....	121		33,016	
Bones and hoofs.....	3,606		153,832	
Bone and horn manufactures.....	46		2,807	
Furs, dressed, undressed, and manufactures.....	53		158,056	
Calfskins, wet and dry.....	2,011		1,713,021	
Cattle hides, wet and dry.....	17,442		11,186,407	
Goatskins, wet and dry.....	1,296		2,021,959	
Horsehides, wet and dry.....	282		156,182	
Sheepskins, wet and dry.....	11,212		8,162,075	
Buffalo hides.....	411		220,859	
Kangaroo hides.....	1		754	
All other skins (untanned).....	462		202,407	
Goatskins, tanned.....	424		1,221,291	
Shoes.....	7		39,168	
Upper leather (calf, kip, goat, kid, sheep, and lamb).....	551		1,269,556	
Sole leather.....	585		766,801	
Patent leather.....	3		21,699	
All other leather, including glove, harness, and saddle.....	4,204		5,884,964	
Gloves.....	3		132,432	
Chamois skins.....	(1)		1,506	
Leather manufactures, miscellaneous.....	28		79,122	
Fish, fresh, dried, canned, pickled, etc.....	10,510		2,419,292	
Crabmeat.....	29		31,249	
Butter.....	568		655,984	
Cheese.....	475		351,018	
Egg, poultry.....	31		23,421	
Eggs, dried, preserved, and yolk.....	14		10,944	
Egg albumen.....	1		1,822	
Cream and milk, fresh and preserved.....	160		34,797	
Lactarene or casein.....	1,853		416,382	
Lamb and mutton, fresh.....	2,481		613,608	
Beef and veal, fresh.....	369		133,005	
Bacon, hams, and pork.....	1		563	

¹ Articles are estimated at less than 1 ton weight.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Animals and animal products, except wool and hair—Continued.				
Bologna sausage.....	2		\$1,554	
Sausage casings.....	110		237,103	
Meats and meat products, miscellaneous.....	31		23,005	
Feathers, crude, dressed, etc.....	148		44,459	
Beeswax.....	32		18,230	
Gelatin.....	95		96,222	
Cod and codliver oil.....	1,061		313,198	
Animal oils.....	217		64,772	
Gluestock and glue size.....	4,146		765,367	
Ivory tusks and manufactures.....	19		163,571	
Grease.....	1,295		123,542	
Sponges.....	11		21,127	
Shells and shell manufactures.....	4		1,036	
Vegetable food products, oil seeds, expressed oils, and beverages.....		241,996		\$52,500,986
Bananas.....	51,845		1,489,896	
Coconuts and coconut meat.....	718		130,040	
Currants.....	932		213,946	
Dates.....	142		25,609	
Figs.....	361		108,561	
Grapes.....	2,142		92,493	
Grapefruit.....	48		14,608	
Lemons.....	823		95,563	
Olives.....	188		35,033	
Oranges.....	69		10,497	
Pineapples.....	(1)		103	
Raisins.....	350		123,457	
Other fruits, fresh or preserved.....	6,447		968,989	
Beans and lentils.....	202		33,798	
Corn.....	7		100	
Garlic.....	144		29,595	
Mushrooms.....	25		20,921	
Onions.....	4,264		245,471	
Peas.....	96		14,573	
Potatoes.....	1,618		80,800	
Potatoes, sweet.....	2,099		78,897	
Vegetables, natural, miscellaneous.....	575		57,494	
Vegetable preparations, miscellaneous.....	764		114,634	
Vegetable wax.....	1		154	
Almonds.....	297		204,371	
Filberts.....	353		112,052	
Marrons.....	917		81,540	
Peanuts.....	33		11,725	
Walnuts.....	786		328,548	
All other nuts.....	102		60,358	
Chinese nut oil.....	17		7,566	
Linseed or flaxseed oil.....	453		144,907	
Olive oil.....	1,018		587,818	
Palm and palm kernel oils.....	1,683		420,366	
Peanut oil.....	8		2,453	
Sulphur oil.....	59		23,307	
Other expressed oils.....	60		17,735	
Capsicum, ground and unground.....	61		22,865	
Cloves, unground.....	4		2,329	
GINGER, unground.....	113		29,162	
Mustard.....	37		34,269	
Mustard seed.....	90		25,747	
Nutmegs, unground.....	25		19,186	
Pepper, unground.....	65		18,260	
Other spices.....	15		11,849	
Sauces.....	61		53,485	
Bread, biscuit, cake, etc.....	29		30,464	
Oats.....	8,185		607,654	
Rice and rice flour.....	1		189	
Wheat flour.....	25		2,845	
Farinaceous substances.....	1,337		107,614	
Other breadstuffs.....	42		17,410	
Cocoa, crude.....	4,421		1,723,639	

¹ Articles are estimated at less than 1/2 ton weight.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Vegetable food products, oil seeds, expressed oils, and beverages—Continued.				
Cocoa and chocolate.....	144		\$128,098	
Coffee.....	2,784		1,152,835	
Tea.....	5,735		2,916,223	
Bottled malt liquor.....	1		300	
Brandy and whisky.....	2		1,643	
Mineral waters.....	49		9,877	
Other beverages.....	17		3,563	
Candy.....	12		9,104	
Cocoa butter.....	6		5,803	
Hay.....	1,104		27,154	
Honey.....	(1)		152	
Macaroni.....	(1)		234	
Molasses.....	192		22,145	
Oil cake.....	80		3,917	
Sugar, cane.....	137,488		39,301,983	
Vinegar.....	223		13,610	
Other vegetable products, except fibers and wood		11,609		\$4,501,811
Balsams.....	1		1,418	
Cinchona bark.....	2		2,204	
Moss and vegetable substances.....	582		10,060	
Hops.....	6		3,224	
Starch.....	222		21,567	
Essential oils.....	458		157,379	
Mangrove bark.....	121		19,217	
Quebracho wood.....	304		43,482	
Quebracho extract.....	4,924		669,850	
Sumac, ground and unground.....	570		39,268	
Other dyewood and dye extracts.....	35		19,009	
Other tanning material and extracts.....	703		94,980	
Gums, copal, etc.....	116		35,867	
Gum, gambier.....	107		18,148	
Gums, shellac.....	174		368,272	
Gum camphor, crude, refined and synthetic	211		415,921	
Other gums.....	407		66,259	
Gutta-percha.....	61		20,643	
Rubber, crude.....	1,045		756,115	
Rubber, scrap and reclaimed.....	145		23,556	
India-rubber manufactures.....	117		170,850	
Rubber substitutes.....	(1)		61	
Tobacco, wrapper.....	2		4,455	
Tobacco, filler.....	440		1,016,848	
Cigars.....	26		350,708	
Cigarettes.....	(1)		866	
Other tobacco manufactures.....	2		4,831	
Bulbs, plants, and nursery stock.....	245		118,856	
Seeds (sugar beet, flaxseed, grass, or linseed).....	343		41,849	
Other seeds.....	240		26,049	
Textiles		254,557		188,193,781
Bagging for cotton.....	10		3,149	
Burlaps.....	43,375		13,377,622	
Cotl yarn.....	389		58,540	
Flax.....	365		188,100	
New Zealand flax.....	555		84,165	
Flax manufactures.....	184		184,072	
Hemp.....	286		130,276	
Manila.....	11,405		3,617,481	
Sisal.....	4,562		77,509	
Jute and jute butts and bags.....	33,463		3,301,526	
Yarn, flax, jute, hemp, or ramie.....	206		282,773	
Kapoc.....	14		7,585	
Fiber laces and lace articles.....	7		43,615	
Fiber clothing and handkerchiefs.....	5		48,942	
Fiber fabrics, woven.....	70		626,295	
Opicloths, matings, and linoleum.....	150		117,777	
Other fibers.....	68		7,714	
Other fiber manufactures.....	44		145,358	
Straw manufactures, including hats.....	1		30,921	
Human-hair manufactures.....	16		26,736	
Horsehair and horsehair articles.....	54		48,850	

Articles are estimated at less than 1 ton weight.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Textiles—Continued.				
Other animal hair.....	33		\$34, 976	
Wool.....	77, 971		79, 241, 698	
Wool tops.....	404		1, 036, 129	
Worsted and woollens.....	137		799, 877	
Woolen dress goods.....	2		14, 697	
Wool yarns.....	390		1, 717, 588	
Wool wearing apparel.....	59		482, 332	
Wool rugs and carpets.....	111		90, 097	
Hair of Angora goat, etc.....	532		457, 047	
Cloth made from Angora.....	2		11, 257	
All other wool manufactures.....	42		126, 059	
Woolen rags.....	1, 271		2, 279, 393	
Cotton, raw.....	66, 649		71, 173, 020	
Cotton waste.....	552		106, 268	
Cotton yarn.....	397		1, 788, 640	
Cotton spool thread.....	113		292, 526	
Cotton plushes and velvets, etc.....	48		259, 867	
Cotton cloth (bleached, unbleached, printed, dyed, colored).....	233		885, 588	
Cotton jacquards.....	9		65, 424	
Cotton window curtains.....	9		18, 271	
Cotton embroideries, nettings, veils, etc.....	2		4, 619	
Cotton laces and lace articles.....	39		77, 646	
Cotton wearing apparel (gloves, handkerchiefs, underwear, stockings, etc.).....	30		168, 226	
Other cotton manufactures.....	90		178, 883	
Rags, not woolen.....	11, 281		1, 127, 420	
Silk, raw.....	6		150, 392	
Silk waste.....	84		305, 832	
Silk, spun.....	(¹)		24	
Silk piece goods, velvets, and plushes.....	7		112, 257	
Silk wearing apparel (beltings, handkerchiefs, ribbons, veils, veillings, etc.).....	6		218, 513	
Silk laces and lace articles.....	2		39, 249	
All other silk manufactures.....	2		32, 273	
Silk cocoons.....			393	
Artificial silk manufactures and yarn.....	1		6, 809	
Fur hats.....	7		11, 013	
Hat braid.....	1		7, 503	
Wood and paper.....		85, 770		\$3, 148, 371
Logs and round timber.....	1, 155		20, 101	
Boards and other sawed lumber.....	9, 294		98, 659	
Other lumber and timber.....	529		8, 140	
Laths.....	36		2, 906	
Mahogany.....	2, 898		129, 729	
Other cabinet woods.....	687		41, 338	
Cedar wood.....	175		12, 103	
Pulp wood.....	5		435	
Wood pulp (sulphate and sulphite).....	39, 735		4, 897, 051	
Wood pulp, mechanically ground.....	952		77, 475	
Furniture.....	106		21, 047	
Cork manufactures.....	127		25, 541	
Wood manufactures, miscellaneous.....	1, 010		121, 193	
Unmanufactured wood, miscellaneous.....	1, 142		68, 507	
Rattan and reeds.....	465		465, 493	
Baskets.....	76		15, 225	
Chair cane.....	77		73, 720	
Paper, printing.....	829		94, 145	
Paper, surface coated.....	(¹)		1, 849	
Paper, photograph.....	3		11, 279	
Paper stock, miscellaneous.....	26, 149		2, 332, 853	
Books.....	71		284, 242	
Lithographs.....	11		14, 650	
All other paper manufactures.....	238		327, 690	
Nonmetallic minerals.....		366, 333		3, 821, 323
Coal, bituminous.....	6, 357		48, 246	
Marble manufactures.....	33		1, 641	
Mica, unmanufactured.....	93		260, 575	

¹ Articles are estimated at less than 1 ton weight.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Nonmetallic minerals—Continued.				
Mica manufactures.....	22		\$88,621	
Plaster rock.....	284		4,989	
Other stone.....	67		126,468	
Stone manufactures.....	1,267		126,717	
Diamonds, rough and cut.....			414,517	
Pearls.....			22,053	
Bort and precious stones, rough.....	(1)		77,494	
Other cut precious stones.....			3,445	
Imitation precious stones.....			3,027	
Clay, miscellaneous.....	8,766		32,566	
China clay.....	26,779		298,279	
Meerschaum, crude.....	(1)		800	
Glass, plate.....	125		27,465	
Glass, cylinder, crown, and window.....	23		5,130	
Glassware, decorated.....	11		26,147	
Glass bottles, filled or empty.....	145		11,932	
Glass plates or disks.....	267		309,150	
Optical goods.....	25		22,945	
All other glass manufactures.....	217		217,073	
China, plain and decorated.....	302		152,243	
Earthenware, plain, decorated, etc.....	1,132		570,798	
Oil, mineral, crude.....	268,037		656,870	
Oil, mineral, refined.....	221		8,870	
Benzine, gasoline, and naphtha.....	34		1,790	
Corundum.....	800		66,789	
Emery ore.....	1,112		29,961	
Abrasives, miscellaneous.....	334		50,156	
Salt.....	15,926		59,221	
Chalk, crude.....	23,286		52,070	
Chalk manufactures.....	582		11,634	
Talcum.....	167		5,679	
Asbestos, crude.....	224		77,333	
Asbestos manufactures.....	4		3,067	
Carbon manufactures.....	2		1,016	
Cement.....	3		52	
Plumbago.....	449		50,677	
Paraffin.....	6		2,461	
Sulphur ore.....	3,208		8,658	
Mineral wax.....	23		8,698	
Ores, metals, and manufactures, except machinery and vehicles.....		17,972		\$3,512,824
Aluminum, crude.....	28		16,800	
Aluminum manufactures.....	32		104,986	
Antimony.....	6		928	
Brass, old.....	1,389		303,051	
Brass manufactures.....	38		31,503	
Bronze manufactures.....	10		9,047	
Calcium.....	90		5,941	
Copper, old.....	3		676	
Copper manufactures.....	2		824	
Iron bars, sheets, and plates.....	830		178,105	
Iron, structural.....	26		2,923	
Iron, scrap.....	341		9,984	
Iron ore.....	2,797		31,177	
Iron, pig, ferromanganese.....	447		51,577	
Iron manufactures, miscellaneous.....	214		121,735	
Steel ingots, crucible and Bessemer.....	842		432,143	
Needles.....			7,788	
Penknives.....			558	
Razors.....	(1)		2,643	
Scissors.....			1,880	
Other cutlery.....			431	
Other iron and steel manufactures.....	8,852		1,288,763	
Lead pigs and bars.....	395		46,187	
Lead manufactures.....	9		1,851	
Nickel and manufactures.....	1		1,232	
Tin pigs, plates, etc.....	537		480,630	
Tin manufactures.....	1		1,192	

1 Articles are estimated at less than 1 ton weight.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Ores, metals, and manufactures, except machinery and vehicles—Continued.				
Zinc pigs.....	(1)		\$10	
Zinc dust.....	15		6, 104	
Zinc manufactures, miscellaneous.....	1		241	
Manganese ore.....	30		2, 483	
Ferrolloys.....	5		5, 602	
Composition metal.....	58		18, 394	
Enameled hollow ware.....	(1)		60	
Clocks and watches, and movements, parts, and jewels.....	3		65, 232	
Jewelry.....	(1)		49, 660	
Gold and silver laces.....	6		26, 468	
Other gold and silver manufactures.....	(1)		9, 894	
Wire, wire rods, and wire manufactures.....	855		158, 754	
Miscellaneous metals and manufactures.....	108		35, 267	
Machinery and vehicles.....		3, 688		\$1, 925, 919
Automobiles.....	38		45, 814	
Automobile parts.....	18		18, 046	
All other vehicles.....	75		7, 453	
Agricultural implements.....	13		3, 388	
Cream separators.....	16		6, 158	
Sewing machines.....	(1)		134	
Textile machinery.....	3, 189		1, 594, 480	
Machine tools.....	1		5, 115	
Other machinery.....	338		245, 331	
Chemicals.....		53, 960		3, 975, 703
Alkalies, etc.....	208		58, 011	
Ammonia muriate.....	6		968	
Argols.....	178		62, 585	
Arsenic.....	30		5, 396	
Coal-tar and products (acids, colors, and medicinals).....	1, 908		540, 118	
Coal-tar products, miscellaneous.....	42		11, 994	
Collodion.....	3		6, 545	
Cresote oil.....	611		22, 785	
Cresol.....	425		44, 563	
Glycerin.....	113		28, 557	
Indigo, natural.....	4		21, 642	
Lime chloride.....	56		6, 094	
Naphthalene.....	76		7, 658	
Oxalic acids.....	3		1, 880	
Potash nitrate.....	997		150, 551	
Soda.....	844		37, 998	
Soda nitrate.....	26, 241		1, 017, 152	
Acids, miscellaneous.....	180		16, 003	
Medicinal preparations.....	54		75, 614	
All other chemicals, acids, and medicinal preparations.....	171		244, 779	
Guano.....	234		18, 826	
Kainite.....	2, 318		59, 706	
Manure salts.....	3, 092		86, 786	
Potash, crude, carbonate, sulphate, and muriate.....	14, 034		1, 030, 702	
Ammonia sulphate.....	84		3, 188	
Bone dust.....	113		12, 382	
All other fertilizers.....	1, 310		80, 255	
Castile soap.....	354		121, 248	
All other soap.....	58		21, 310	
Paints.....	132		71, 992	
Explosives.....	150		39, 020	
Perfumery.....	(1)		60, 435	
Unclassified.....		9, 017		5, 255, 063
Art works and statuary.....	1		712, 893	
Beads.....	14		88, 263	
Bristles.....	209		1, 332, 733	
Brushes.....	54		171, 321	
Buttons, miscellaneous.....	(1)		138	
Cameras and dry plates.....	(1)		3, 478	
Edible substance.....	122		18, 205	
Film negatives, moving picture.....	(1)		50, 140	
Fans.....	(1)		1, 512	

1 Articles are estimated at less than 1 ton weight.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Unclassified—Continued.				
Fishing tackle.....	105		\$34, 198	
Household and personal effects.....	723		301, 685	
Mantles, gas, kerosene, etc.....	(1)		618	
Matches.....	55		75, 884	
Musical instruments, and parts of.....	30		64, 340	
Penholders, pens, and pencils.....	96		32, 150	
Philosophic and scientific apparatus.....	1		6, 531	
Phonographs.....	(1)		246	
Pipes and smokers' articles.....	1		13, 990	
Toys and dolls.....	151		151, 417	
Umbrellas.....	1		8, 309	
Waste.....	247		24, 692	
Miscellaneous.....	7, 207		2, 162, 300	
Total imports.....		1, 106, 981		\$311, 330, 736
EXPORTS.				
Animals and animal products, except wool and hair.....		152, 263		\$99, 061, 144
Bacon.....	56, 008		29, 184, 509	
Beef and veal, fresh, canned, and pickled.....	3, 528		1, 158, 515	
Hams and shoulders, cured.....	8, 690		4, 592, 633	
Lamb and mutton, fresh.....	10		3, 648	
Pork, fresh, canned, and pickled.....	2, 332		704, 037	
Poultry and game.....	17		33, 789	
Sausage and casings.....	186		170, 109	
Other meat products, including canned meat.....	333		241, 982	
Lard and lard compounds.....	40, 181		17, 908, 984	
Stearin.....	44		14, 227	
Tallow.....	71		21, 805	
Buffalo hides.....	3		2, 387	
Calfskins, dry.....	42		33, 102	
Cattle hides and skins.....	443		217, 703	
Goatskins, wet and dry.....	100		153, 223	
Horsehides, dry.....	21		15, 000	
Sheepskins, wet and dry.....	462		431, 790	
Other hides and skins.....	1		839	
Patent leather.....	855		4, 264, 253	
Sole leather.....	3, 062		3, 056, 533	
Upper leather (calf, kip, goat, kid, wax, grain, and splits).....	4, 356		10, 147, 497	
Other upper leather.....	935		2, 178, 703	
Glove leather.....	4		9, 176	
Other leather.....	311		622, 310	
Shoes and slippers.....	3, 186		12, 355, 239	
Gloves.....	(1)		4, 224	
Leather belting.....	135		526, 780	
Harness and saddle leather.....	1		1, 210	
Other leather manufactures.....	387		1, 549, 488	
Fish, fresh, dried, canned, and pickled.....	1, 476		417, 944	
Fish, oysters, etc., miscellaneous.....	90		25, 561	
Butter.....	968		1, 064, 783	
Cheese.....	203		74, 396	
Eggs, dried, etc.....	117		76, 692	
Egg albumen.....	6		11, 980	
Egg yolks.....	50		36, 483	
Milk, powdered, evaporated, and condensed.....	16, 164		5, 405, 403	
Oleomargarine.....	11		6, 054	
Fish oil.....	23		6, 518	
Other animal oils.....	21		3, 664	
Oleo oil.....	1, 132		479, 539	
Cattle, horses, and other animals.....	4, 694		1, 408, 100	
Glue and glue size.....	833		285, 596	
Bones and hoofs.....	474		21, 416	
Lubricating grease.....	188		18, 688	
Feathers.....	83		24, 993	
Dressed furs.....	(1)		1, 598	
Beeswax.....	1		1, 615	
Wax manufactures.....	25		27, 176	

1 Articles are estimated at less than 1 ton weight.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Vegetable food products, oil seeds, expressed oils, and beverages.....		196, 925		\$19, 375, 695
Apples, green or ripe.....	18, 010		\$1, 677, 613	
Apples, dried.....	145		54, 100	
Apricots, dried.....	55		16, 046	
Bananas.....	137		22, 785	
Berries.....	22		7, 638	
Currants.....	5		1, 774	
Dates.....	12		2, 889	
Figs.....	10		3, 658	
Grapes.....	13		1, 244	
Lemons.....	60		7, 004	
Oranges.....	522		78, 982	
Peaches, dried.....	417		141, 026	
Peaches, canned.....	17		6, 025	
Pears, green, ripe, and canned.....	960		96, 303	
Prunes, dried.....	2, 221		780, 346	
Raisins.....	1, 422		434, 197	
Other fruits, green, ripe, dried, preserved, etc.....	1, 516		231, 535	
Beans.....	10		1, 796	
Corn.....	1, 648		107, 622	
Corn, canned.....	15		2, 026	
Onions.....	206		10, 550	
Peas, dried.....	27		7, 906	
Potatoes and sweet potatoes.....	6, 713		383, 925	
Other vegetables, natural, prepared, and canned.....	151		22, 503	
Corn meal.....	338		25, 040	
Cottonseed meal.....	130		6, 821	
Oilcake meal.....	40		2, 184	
Cassia, unground.....	6		1, 700	
Pepper, unground.....	6		2, 417	
Vinegar.....	2		112	
Capaicum, cloves, ginger, nutmegs, and mustard seed.....	2		1, 302	
Spices, pickles, and sauces, miscellaneous.....	31		12, 353	
Flavoring extracts.....	4		15, 051	
Cocoa butter oil.....	18		13, 799	
Coconut oil.....	12		5, 067	
Cottonseed oil.....	27		11, 592	
Linseed oil.....	1		830	
Olive oil.....	1		980	
Vegetable and volatile oils, miscellaneous.....	5		2, 468	
Almonds.....	3		1, 117	
Coconuts.....	4		218	
Cream and Brazil nuts.....	1		1, 112	
Filberts.....	2		538	
Peanuts.....	149		37, 101	
Walnuts.....	1		971	
Other nuts.....	5		2, 657	
Barley.....	1, 083		58, 008	
Bran and middlings.....	3		127	
Malt.....	97		13, 300	
Mill feed.....	123		9, 292	
Oats.....	1, 372		74, 359	
Oatmeal.....	222		26, 166	
Rice.....	7		1, 406	
Rye.....	9, 345		634, 798	
Wheat.....	125, 237		10, 945, 048	
Wheat flour.....	19, 086		2, 133, 158	
Bread and biscuit.....	5		2, 548	
Other breadstuffs.....	1, 200		206, 509	
Other cereal preparations.....	71		24, 033	
Glucose.....	18		2, 176	
Honey.....	(¹)		151	
Sugar, cane.....	60		21, 000	
Sugar, refined.....	41		10, 299	
Sirup.....	1, 691		210, 324	
Cocoa and chocolate.....	58		52, 310	
Coffee, green, roasted, and prepared.....	26		14, 234	

¹ Articles are estimated at less than 1 ton weight.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Vegetable food products, oil seeds, expressed oils, and beverages—Continued.				
Rum.....	137		\$22,353	
Tea.....	5		3,184	
Whisky, bourbon and rye.....	177		344,374	
Other beverages.....	13		2,787	
Hay.....	421		18,883	
Soap stock and other grease.....	354		205,679	
Soups.....	1		835	
Yeast.....	(1)		512	
Confectionery.....	40		92,479	
Other vegetable products, except fibers and wood		7,110		\$8,005,806
Gums (arabic, camphor, copal, damar, kauri, shellac, etc.).....	2		4,463	
Balsams.....	(1)		54	
Rosin.....	74		8,910	
Essential oils.....	(1)		7	
Aniline dyes.....	258		140,393	
Logwood extract.....	86		46,891	
Other dyes.....	23		12,566	
Tanning extract.....	58		7,804	
Tar, turpentine, and pitch.....	139		11,236	
Spirits of turpentine.....	116		48,294	
Hops.....	997		1,097,945	
Moss.....	12		213	
Cornstarch.....	1,666		183,204	
Other starch.....	586		65,500	
Rubber, boots and shoes.....	1,291		2,162,273	
Rubber soles and heels.....	14		76,201	
Rubber hose.....	81		40,851	
Rubber belting and packing.....	30		44,911	
Rubber tires, casings, and inner tubes.....	30		148,301	
Druggists' rubber sundries.....	40		59,613	
Other india rubber manufactures.....	296		431,042	
Scrap and old rubber.....	138		24,017	
Seeds, plants, roots, and nursery stock, miscellaneous.....	88		42,153	
Tobacco, leaf.....	962		1,221,636	
Tobacco, plug.....	88		72,508	
Tobacco, smoking.....	33		46,284	
Tobacco, wrapper and filler.....	1		1,674	
Cigars and cigarettes.....	2		6,747	
Other tobacco manufactures.....	(1)		50	
Brooms.....	(1)		65	
Textiles.....		30,708		28,779,672
Burlaps.....	18		7,068	
Cordage.....	479		259,587	
Twine, binder, etc.....	1,022		277,717	
Flax, not hackled, etc.....	37		38,672	
Oakum.....	17		5,281	
Oilcloth.....	10		7,723	
Fibers, miscellaneous.....	1		378	
Fiber bags, laces, etc.....	6		88,179	
Other fiber manufactures.....	320		201,467	
Wool.....	4,126		4,532,966	
Wool tops.....	6		22,156	
Wool blankets.....	(1)		3,222	
Woolen goods, yarns and cloth.....	11		91,764	
Wool wearing apparel.....	4		37,290	
Other wool manufactures.....	39		119,182	
Unmanufactured wool.....	49		50,811	
Hair of Angora goat, etc.....	52		42,378	
Rags, ricks, waste, etc.....	1,188		435,926	
Cotton, raw, upland, and linter's.....	6,717		9,217,378	
Cotton duck, bleached, unbleached, and colored.....	360		251,308	
Cotton cloth, bleached, unbleached, printed and dyed.....	304		928,835	
Cotton hosiery.....	90		689,144	
Other cotton wearing apparel.....	100		809,195	
Cotton blankets.....	12		49,262	

* Articles are estimated at less than 1 ton weight.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Textiles—Continued.				
Cotton knit goods, laces and embroideries.....	28		\$177,074	
Cotton sewing thread.....	59		154,471	
Cotton yarn.....	92		197,104	
Other cotton manufactures.....	807		1,614,995	
Cotton rags.....	124		41,223	
Cotton waste.....	14,296		7,406,553	
Silk wearing apparel.....	1		22,394	
Silk dress goods.....	(¹)		13,363	
Silk waste.....	8		12,000	
Other silk manufactures.....	1		24,265	
Artificial silk hosiery.....	38		648,808	
Artificial silk yarn.....	3		3,300	
Other artificial silk.....	5		35,159	
Animal hair, manufactured and unmanufactured.....	44		47,009	
Imitation leather.....	228		228,225	
Hats and hat trimmings, felt, etc.....	1		36,336	
Straw manufactures.....	(¹)		804	
Wood and paper.....		57,496		\$8,380,782
Corkwood.....	9		900	
Cork manufactures.....	3		2,814	
Cedar.....	45		2,100	
Rattan and reeds.....	1		162	
Cabinet woods, miscellaneous.....	57		3,793	
Logs and timber.....	135		3,588	
Other lumber, logs, and timber.....	256		7,765	
Boards (spruce, poplar, pine, oak, gum, fir, cypress, etc.), and all other sawed lumber.....	16,831		1,179,019	
Furniture.....	1,006		201,217	
Heading and trimming.....	2,262		113,097	
Staves.....	1,342		226,668	
Shooks.....	32		5,520	
Hogsheads, empty.....	423		16,913	
Doors, sash, and blinds.....	40		18,404	
Wall boards.....	2,563		58,937	
Woodenware.....	120		72,064	
Other wood manufactures.....	14,428		1,731,114	
Wood pulp.....	1,203		160,406	
Paper, carbon.....	6		54,835	
Paper, newsprint.....	7,395		880,353	
Other printing paper.....	2,833		819,511	
Paper, tissue.....	257		77,148	
Paper, wax.....	43		17,217	
Paper, writing.....	94		140,862	
Paper, wrapping.....	1,401		365,625	
Other paper.....	1,960		587,923	
Books, music, etc.....	153		612,671	
Paper bags, boxes, and board.....	2,114		845,986	
Paper manufactures, miscellaneous.....	419		167,766	
Paper stock.....	3		341	
Roofing felt.....	52		6,063	
Nonmetallic minerals.....		28,623		2,362,416
Emery wheels and other abrasives.....	6,958		1,391,575	
Coal.....	522		8,574	
Crude mineral oil.....	7,930		137,773	
Refined petroleum.....	1,998		153,912	
Gas and fuel oil.....	7,266		99,861	
Glass, window.....	6		2,027	
Other glass, glassware, and manufactures.....	300		300,149	
Earthen, stone, and china ware.....	17		8,764	
Fire brick and tiles.....	248		661	
Ore and unmanufactured asbestos.....	91		11,575	
Asbestos manufactures.....	61		46,795	
Mica, manufactured and unmanufactured.....	43		71,178	
Asphaltum manufactures.....	424		16,992	
Cement, hydraulic.....	271		8,575	
Chalk manufactures.....	107		5,329	
Clays, miscellaneous.....	340		18,964	
Lime.....	6		198	
Paraffin, unrefined.....	11		2,254	
Salt.....	341		9,002	

¹Articles are estimated at less than 1 ton weight.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Nonmetallic minerals—Continued.				
Stone, manufactured and unmanufactured.....	1,618		\$64,738	
Sulphur.....	5		333	
Miscellaneous.....	60		3,187	
Ores, metals, and manufactures, except machinery and vehicles		36,819		\$7,174,195
Iron, bar.....	196		17,955	
Iron, pig.....	3		345	
Iron, hoop, band, and scroll.....	342		40,957	
Iron pipes, wrought and cast.....	534		109,430	
Iron sheets and plates.....	2		385	
Steel bars or rods.....	252		64,484	
Steel billets and ingots.....	6,616		306,082	
Steel rails.....	844		23,807	
Steel sheets and plates.....	742		102,839	
Iron and steel sheets, galvanized.....	142		22,700	
Iron and steel, structural.....	64		2,973	
Bolts, nuts, etc.....	125		38,341	
Car wheels.....	40		4,616	
Castings.....	240		28,178	
Chains.....	170		17,966	
Nails.....	880		298,393	
Needles.....	(¹)		29,677	
Radiators.....	170		36,674	
Safes.....	16		5,831	
Scales.....	18		9,017	
Screws, wood.....	997		215,273	
Stoves and ranges.....	39		7,878	
Other iron and steel manufactures.....	6,762		980,329	
Scrap and old iron and steel.....	9,777		422,262	
Aluminum manufactures.....	4		34,374	
Babbitt metal.....	61		21,412	
Brass bars, etc.....	2		1,696	
Brass wire.....	12		9,890	
Other brass manufactures.....	820		680,600	
Bronze manufactures.....	47		40,144	
Composition metal.....	26		12,130	
Copper pipes, tubes, and plates.....	119		62,041	
Copper wire.....	361		212,134	
Copper, refined, in ingots, etc.....	38		19,614	
Copper manufactures, miscellaneous.....	25		13,392	
Copper, scrap and old.....	3		1,120	
Lead pigs.....	1		129	
Lead manufactures.....	25		5,163	
Nickel manufactures.....	1		1,104	
Silver and other plated ware.....	60		66,027	
Tin pigs and plates.....	209		48,474	
Other manufactures of tin plates.....	44		10,393	
Tinware.....	40		9,735	
Zinc sheets, spelter and dross.....	394		70,830	
Zinc manufactures.....	18		4,427	
Razors.....	12		1,163,371	
Cutlery, miscellaneous.....	3		30,921	
Axes, augers, files, hammers, saws, shovels, and other tools.....	1,200		993,150	
Wire, barbed.....	62		5,317	
Wire nails.....	28		6,073	
Wire rope and cables.....	90		26,445	
Wire fencing, woven.....	208		20,813	
Wire rods.....	879		49,346	
Other wire.....	1,672		290,864	
Other wire manufactures.....	225		45,001	
Bathtubs, bowls, lavatories, and other enamel ware.....	46		11,315	
Revolvers, rifles, shotguns, and other firearms.....	11		60,776	
Forgings.....	786		40,909	
Hinges, locks, and other hardware.....	40		162,144	
Furniture, metal.....	257		38,579	
Jewelry, and manufactures of gold and silver.....	(¹)		8,237	
Clocks, watches, and parts of.....	4		108,120	
Other metal manufactures.....	15		11,293	

¹ Articles are estimated at less than 1 ton weight

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Machinery and vehicles.....		23,972		\$16,914,915
Agricultural implements and parts.....	2,065		\$514,318	
Automobiles.....	796		943,102	
Auto parts.....	2,841		2,841,544	
Bicycles and motor cycles.....	6		13,974	
Carriages and wagons.....	10		5,798	
Railway cars and parts.....	28		4,850	
Wheelbarrows.....	45		19,953	
Other vehicles.....	580		57,952	
Adding machines.....	(¹)		2,346	
Air-compressing machinery.....	25		17,342	
Boilers and tubes.....	43		21,309	
Cotton-carding machinery and gins.....	475		190,384	
Cotton looms.....	252		101,043	
Batteries and magnetos.....	16		16,221	
Dynamos.....	145		144,765	
Lamps, arc and metal filament.....	5		32,432	
Meters, etc.....	75		75,146	
Motors.....	1,088		1,088,403	
Rheostats and switches.....	62		62,814	
Telegraph and telephone apparatus.....	29		29,791	
Transformers.....	200		136,850	
Wire, cables, and wiring supplies.....	190		237,760	
Other electrical machinery.....	426		426,838	
Engines, gasoline.....	72		50,040	
Engines, kerosene.....	110		77,331	
Steam and other engines.....	101		70,810	
Engine parts.....	189		94,669	
Excavating machinery.....	5		3,300	
Elevators and elevator machinery.....	12		8,525	
Lawn mowers.....	10		10,500	
Metal-working machinery.....	2,909		2,036,633	
Meters, gas and water.....	8		4,110	
Mining machinery.....	1,028		719,439	
Paper-mill machinery.....	51		35,781	
Power machines.....	95		66,873	
Printing presses.....	190		133,040	
Pumps and pumping machinery.....	364		255,170	
Sewing machines.....	35		117,487	
Sharpening and grinding machines.....	915		640,362	
Shoe machinery.....	1,910		1,333,845	
Sugar-mill machinery.....	85		59,785	
Textile machinery.....	1,946		972,953	
Typesetting machinery.....	34		24,137	
Typewriting machines.....	19		76,845	
Woodworking machinery.....	116		81,506	
Lathes.....	1,352		946,815	
Other machine tools.....	314		219,930	
Other machinery.....	2,700		1,890,085	
Chemicals.....		18,796		2,665,758
Acid, sulphuric.....	225		10,025	
Other acids.....	44		29,331	
Alcohol.....	76		10,268	
Ammonia sulphate.....	215		22,348	
Baking powder.....	3		841	
Blacking.....	133		198,816	
Celluloid and manufactures of.....	5		27,717	
Coal tar.....	3		126	
Coal-tar distillates.....	48		13,906	
Copper sulphate.....	2		478	
Cartridges, fuses, shells, and other explosives.....	290		104,113	
Fertilizers.....	13,280		483,439	
Lime, chloride.....	47		5,684	
Paints, ready mixed, and varnishes.....	150		82,478	
White lead.....	32		6,294	
Other paints, colors, and ingredients.....	190		104,842	
Perfumeries.....	(¹)		56,500	
Soap, toilet.....	255		63,820	
Other soap.....	229		52,211	

¹ Articles are estimated at less than 1 ton weight.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Chemicals—Continued.				
Soda, caustic.....	1,161		\$260,315	
Soda, nitrate.....	1,258		88,621	
Soda salts, miscellaneous.....	393		27,545	
Other soda.....	8		497	
Washing powder.....	28		4,132	
Miscellaneous chemicals and medicinal preparations	722		1,011,511	
Unclassified.....		1,952		\$1,610,607
Art work.....	(¹)		5,978	
Athletic and sporting goods.....	40		82,577	
Bristles.....	2		10,442	
Brushes.....	33		105,942	
Buttons.....	28		58,292	
Candles.....	4		2,498	
Fire extinguishers.....	25		24,660	
Household and personal effects.....	667		278,523	
Lamps and lighting apparatus.....	5		30,409	
Ink.....	88		141,866	
Mucilage and paste.....	22		37,575	
Pianos and organs.....	156		108,890	
Musical instruments and parts of.....	10		22,067	
Scientific instruments and surgical apparatus.....	28		195,339	
Pens, penholders, pencils, and leads.....	31		10,601	
Phonographs.....	2		9,875	
Phonograph records.....	1		22,742	
Photographic goods.....	4		18,726	
Shoe findings.....	45		128,749	
Toys.....	52		52,076	
Trunks.....	15		38,376	
Typewriter ribbons.....	1		24,577	
All other articles.....	663		198,841	
Total exports.....		553,749		192,330,990
Total imports and exports.....		1,660,730		503,670,726

¹ Articles are estimated at less than 1 ton weight.

In the above table of exports are included foreign imports reexported, to the value of \$10,061,051.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair.....			17,392		\$4,490,259
Hides and leather.....		5,297		\$2,261,819	
Poultry, game, and fish.....		11,531		2,078,740	
Butter and eggs.....		90		126,000	
Grease.....		474		23,700	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			60,946		5,139,647
Canned goods.....		8,203		1,311,800	
Flour.....		178		23,140	
Fruit and vegetables.....		4,683		725,865	
Sugar.....		6,039		1,678,842	
Molasses and sirup.....	29,843	12,000		1,400,000	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—continued.					
Other vegetable products, except fibers and wood.....			3,664		\$509,940
Rosin.....		1,322		\$158,640	
Other naval stores.....		2,342		351,300	
Textiles.....			37,665		35,917,400
Hemp.....		250		125,400	
Cotton.....		21,427		19,859,900	
Cotton waste.....		77		21,100	
Wool.....		15,911		15,911,000	
Wood and paper.....			31,610		973,485
Lumber and timber.....	30,137			923,014	
Empty barrels.....	17			510	
Wood.....		38		218	
Logs.....	918			19,743	
Piling.....	500			30,000	
Nonmetallic minerals.....			3,080,690		39,233,333
Coal.....	2,532,633			24,024,019	
Sulphur.....	24,850			1,640,100	
Phosphate rock.....	12,185			121,850	
Petroleum and products.....	297,393			12,375,179	
Fuel oil.....		17,730		295,983	
Oil, miscellaneous.....		9,753		297,590	
Lime.....		1,848		34,850	
Cement.....		4,487		112,325	
Sand and gravel.....	162,800			248,484	
Brick.....	1,758			2,900	
Granite.....	1,396			4,886	
Stone.....	700			4,500	
Paving stones.....	445			6,118	
Edgestones.....	1,757			40,057	
Grindstones.....	280			4,760	
Wall plaster.....		447		8,461	
Plaster of Paris.....		188		5,321	
Clay.....	10,040			5,950	
Ores, metals, and manufactures, except machinery and vehicles.....			2,149		103,490
Bar iron and sheet metal.....		3		300	
Iron and steel.....	1,932			98,900	
Pipe.....	214			4,280	
Machinery and vehicles: Machinery.....		700	700	43,100	43,100
Chemicals.....			20,855		4,978,900
Chemicals.....		3,411		4,310,100	
Fertilizer.....		1,344		536,800	
Coal tar.....	11,100			132,000	
Unclassified.....			540,114		116,937,547
Mattresses.....		283		172,500	
Boats.....		63		32,400	
Miscellaneous.....	1,500	539,768		116,732,647	
Total receipts, coastwise.....	3,122,398	674,887	3,797,285		208,327,091
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair.....			37,435		13,882,041
Live stock.....	189			54,243	
Poultry, game, and fish.....		23,372		3,741,400	
Hides and leather.....		13,874		10,068,398	
Vegetable food products, oil seeds, expressed oils, and beverages.....			10,715		2,155,490
Sugar.....		3,963		1,113,165	
Fruits and vegetables.....		6,673		1,034,315	
Wines and liquors.....		79		8,000	
Textiles.....			2,199		2,178,136
Rope.....		50		24,000	
Wool.....		321		326,136	
Cotton.....		1,828		1,828,000	
Wood and paper.....			4,806		407,680
Paper.....		1,550		310,070	
Lumber.....	3,256			97,680	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Nonmetallic minerals.....			269,366		\$11,381,714
Coal.....	19,000			\$229,000	
Petroleum and products.....		174,313		10,437,979	
Fuel oil.....		75,189		671,065	
Oil, miscellaneous.....		864		43,670	
Ores, metals, and manufactures, except machinery and vehicles.....			1,429		130,260
Boiler tubes.....		28		4,000	
Iron and steel.....		596		45,760	
Bar iron and sheet metal.....		806		80,500	
Machinery and vehicles: Machinery.....		446	446	66,900	66,900
Chemicals: Fertilizer.....	1,600		1,600	160,000	160,000
Unclassified.....			504,378		122,535,508
Motor boats.....	50			36,000	
Miscellaneous.....		504,328		122,499,508	
Total shipments, coastwise.....	24,095	808,279	832,374		152,897,719
Total receipts and shipments.....	3,146,556	1,483,103	4,629,659		361,224,810

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.		Tons.	Value.	Tons.	Value.
	Tons.	Value.	Tons.	Value.				
Animals and animal products, except wool and hair.....	68,109	\$40,413,985	152,263	\$99,061,144	54,827	\$18,372,300	275,199	\$157,847,429
Vegetable food products, oil seeds, expressed oils, and beverages.....	241,996	52,590,936	196,025	19,375,695	71,661	7,295,127	509,682	79,261,758
Other vegetable products, except fibers and wood.....	11,609	4,501,811	7,110	6,005,806	3,664	158,640	22,383	11,017,557
Textiles.....	254,537	186,193,781	30,703	28,779,672	39,864	38,095,536	325,104	253,068,989
Wood and paper.....	85,770	9,148,371	57,486	8,380,782	36,416	1,381,165	179,672	18,910,318
Nonmetallic minerals.....	360,333	3,821,323	28,623	2,362,416	3,350,056	50,615,047	3,739,112	56,798,786
Ores, metals, and manufactures, except machinery and vehicles.....	17,972	3,512,824	36,819	7,174,195	3,578	233,740	58,369	10,920,759
Machinery and vehicles.....	3,688	1,925,919	23,972	16,914,915	1,146	110,000	28,806	18,950,834
Chemicals.....	53,950	3,975,703	18,796	2,665,758	22,455	5,138,900	95,201	11,780,361
Unclassified.....	9,017	5,255,083	1,952	1,610,607	1,045,992	239,473,055	1,056,961	246,338,745
Total.....	1,108,981	311,339,736	553,749	192,330,990	4,629,659	361,224,810	6,290,389	864,895,536

Vessel classification, 1920.

BY NATIONALITY.

Nationality.	Sailing vessels.		Steam vessels.		Total.	
	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Net registered tonnage.
ENTERED.						
American.....	73	17,716	469	1,079,552	542	1,097,268
Argentinian.....			2	5,522	2	5,522
Brasillian.....			1	2,984	1	2,984
British.....	99	14,438	462	967,538	561	981,976
Danish.....			10	18,473	10	18,473
Dutch.....			7	21,932	7	21,932
Japanese.....			9	35,293	9	35,293
Italian.....			2	4,217	2	4,217
Norwegian.....			28	44,631	28	44,631
Portuguese.....	3	200	2	7,758	5	7,958
Spanish.....			1	1,459	1	1,459
Swedish.....			12	25,051	12	25,051
Uruguayan.....			1	3,106	1	3,106
Total.....	175	32,354	1,006	2,217,516	1,181	2,249,870
CLEARED.						
American.....	64	22,619	308	711,401	372	734,020
British.....	109	15,682	348	548,195	457	563,877
Dutch.....			3	14,191	3	14,191
Norwegian.....			14	18,090	14	18,090
Portuguese.....	1	33	2	7,758	3	7,791
Total.....	174	38,334	675	1,299,635	849	1,337,969

BY MONTHS.

ENTERED.						
January.....	10	1,246	56	143,721	66	144,967
February.....			47	124,281	47	124,281
March.....	4	897	61	172,403	65	173,300
April.....	9	3,335	83	180,390	92	183,725
May.....	27	8,446	84	127,811	111	136,257
June.....	25	3,959	114	201,070	139	205,029
July.....	17	1,813	107	216,051	124	217,864
August.....	24	3,522	124	245,026	148	248,548
September.....	12	1,163	96	219,223	108	220,386
October.....	20	4,029	78	187,950	98	191,979
November.....	15	1,930	80	206,277	95	208,207
December.....	12	2,014	76	193,313	88	195,327
Total.....	175	32,354	1,006	2,217,516	1,181	2,249,870
CLEARED.						
January.....	8	1,644	36	102,124	44	103,768
February.....	3	279	21	55,244	24	55,523
March.....	8	796	33	87,204	41	88,000
April.....	8	4,083	64	114,348	72	118,431
May.....	18	3,374	72	84,948	90	88,322
June.....	29	5,560	77	121,952	106	127,512
July.....	22	6,448	74	119,043	96	125,491
August.....	11	2,799	78	127,697	89	130,496
September.....	19	4,353	65	134,009	84	138,362
October.....	22	4,719	56	116,029	78	120,748
November.....	16	3,092	49	105,239	65	108,331
December.....	10	1,187	50	131,798	60	132,985
Total.....	174	38,334	675	1,299,635	849	1,337,969

Vessel classification, 1920—Continued.

FOREIGN PASSENGER RECORD.

	Canadian ports.	European ports.	South and Central American ports.	Asian and African ports.	Total.
Arrivals from.....	36,301	25,407	378	338	62,424
Departures for.....	38,400	2,500	.....	103	41,003
Total.....	74,701	27,907	378	441	103,427

COASTWISE VESSEL ARRIVALS.

(By months.)

Month.	Steam- ers.	Schoon- ers.	Barks.	Tugs.	Barges.	Total.
January.....	175	5	.....	118	191	489
February.....	153	1	.....	87	122	363
March.....	169	7	.....	131	214	521
April.....	162	17	.....	133	211	523
May.....	207	18	.....	148	271	644
June.....	194	16	1	165	293	669
July.....	203	35	.....	162	273	673
August.....	237	25	.....	166	309	737
September.....	226	26	.....	171	289	712
October.....	188	16	1	167	301	673
November.....	145	15	.....	109	188	457
December.....	154	18	.....	178	289	639
Total.....	2,213	199	2	1,735	2,951	7,100

As during the year practically all vessels which arrive coastwise depart in the same manner, the above table is a fairly accurate record of departures also.

Coastwise passenger record:

Inbound.....	141,126
Outbound.....	141,759

Total.....	282,885
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CHELSEA CREEK.

[Included in Boston Harbor traffic.]

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912.....	394,806	\$6,906,779	1916.....	489,261	\$11,051,092
1913.....	327,323	6,424,451	1917.....	532,200	15,606,280
1914.....	346,929	6,311,689	1918.....	592,225	7,521,682
1915.....	385,982	6,267,640	1919.....	561,602	15,346,611
			1920.....	931,149	26,938,206

[Navigation season, year-round.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals.....		340, 172		\$3, 017, 500
Fuel oil.....	328, 000		\$2, 932, 500	
Chalk.....	12, 172		85, 000	
Wood and paper: Spruce piles.....	1, 438	1, 438	17, 250	17, 250
Total imports.....	341, 610	341, 610		3, 034, 750

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Wood and paper.....			1, 050		\$51, 800
Lumber.....	550			\$21, 800	
Piling.....	500			30, 000	
Nonmetallic minerals.....			337, 037		12, 685, 603
Coal.....	15, 784			164, 974	
Stone.....	700			4, 500	
Cement.....		20		400	
Clay.....	10, 040			5, 950	
Sand.....	2, 000			2, 600	
Coal tar.....	11, 100			132, 000	
Petroleum and products.....	297, 393			12, 375, 179	
Ores, metals, and manufactures, except machinery and vehicles: Iron and steel.....	450		450	44, 000	44, 000
Unclassified: Miscellaneous.....	1, 500		1, 500	13, 000	13, 000
Total receipts, coastwise.....	340, 017	20	340, 037		12, 794, 403
SHIPMENTS, COASTWISE.					
Nonmetallic minerals.....			249, 502		11, 109, 044
Petroleum and products.....		174, 313		10, 437, 979	
Fuel oil.....		75, 189		671, 065	
Total shipments, coastwise.....		249, 502	249, 502		11, 109, 044
Total receipts and shipments.....	340, 017	249, 522	589, 539		23, 903, 447

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals.....	340, 172	\$3, 017, 500	586, 539	\$23, 794, 647	926, 711	\$26, 812, 147
Wood and paper.....	1, 438	17, 250	1, 050	51, 800	2, 488	69, 060
Ores, metals, and manufactures, except machinery and vehicles.....			450	44, 000	450	44, 000
Unclassified.....			1, 500	13, 000	1, 500	13, 000
Total.....	341, 610	3, 034, 750	589, 539	23, 903, 447	931, 149	26, 938, 206

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.
Steamers.....	48		48
Sailing vessels.....	1	6	7
Barges.....	407		407
Motor boats.....	33		33
Lighters.....	103		103
Scows.....	10		10
Total.....	602	6	608

FORT POINT CHANNEL.

[Included in Boston Harbor traffic.]

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1901.....	313,393	(1)	3,200	1911.....	1,507,621	\$16,272,296	
1902.....	611,094	(1)	3,200	1912.....	1,101,374	16,683,583	
1903.....	729,769	(1)	4,500	1913.....	1,091,211	15,800,482	
1904.....	1,488,585	(1)	5,851	1914.....	1,281,674	16,022,297	
1905.....	1,463,914	(1)	3,186	1915.....	1,356,087	19,899,549	
1906.....	1,416,671	(1)	7,035	1916.....	1,318,001	22,180,462	
1907.....	1,443,686	(1)		1917.....	1,116,204	25,164,450	
1908.....	1,251,390	(1)		1918.....	1,052,043	23,977,009	
1909.....	1,219,478	(1)		1919.....	938,724	32,044,456	
1910.....	1,423,546	\$16,061,244		1920.....	983,547	52,515,450	

1 No statistics available.

Passenger service on Fort Point Channel was discontinued after 1906.

[Navigation season, year-round.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages: Sugar.....	161,183	161,183	\$44,845,000	\$44,845,000
Wood and paper.....		793		34,662
Lumber.....	593		13,770	
Logs.....	200		20,892	
Total imports.....		161,976		44,879,662
EXPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages: Sirup.....	2,125	2,125	195,000	195,000
Total imports and exports.....		164,101		45,074,662

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair: Grease.....		474	474	\$23,700	\$23,700
Wood and paper.....			14,664		444,836
Wood.....		38		218	
Logs.....	918			19,743	
Lumber.....	13,708			424,875	
Nonmetallic minerals.....			801,734		6,890,672
Coal.....	646,517			6,586,545	
Lime.....		341		9,214	
Sand and gravel.....	151,061			227,404	
Paving stones.....	445			6,118	
Grindstones.....	280			4,760	
Wall plaster.....		447		8,461	
Plaster of Paris.....		188		5,321	
Granite.....	698			2,792	
Edgestones.....	1,757			40,057	
Ores, metals, and manufactures, except machinery and vehicles:					
Iron.....	430		930	39,900	44,180
Pipe.....	500			4,280	
Machinery and vehicles: Machinery.....	44		44	5,000	5,000
Chemicals: Fertilizer.....		1,600	1,600	62,400	62,400
Total.....	816,358	3,088	819,446		7,470,788

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products, oil seeds, expressed oils, and beverages.....	161,183	\$44,845,000	2,125	\$195,000			163,308	\$45,040,000
Wood and paper.....	793	34,662			14,664	\$444,836	15,457	479,498
Animals and animal products, except wool and hair.....					474	23,700	474	23,700
Nonmetallic minerals.....					801,734	6,890,672	801,734	6,890,672
Ores, metals, and manufactures, except machinery and vehicles.....					930	44,180	930	44,180
Machinery and vehicles.....					44	5,000	44	5,000
Chemicals.....					1,600	62,400	1,600	62,400
Total.....	161,976	44,879,662	2,125	195,000	819,446	7,470,788	983,547	52,545,450

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.
Steamers.....	181	7	188
Sailing vessels.....	52	8	60
Barges.....	377		377
Lighters.....	483		483
Scows.....	133		133
Total.....	1,226	15	1,241

MYSTIC RIVER, MASS.

(Including Island End River, arm of the Mystic River.)

Comparative statement of traffic.

Calendar year.	Short tons.	Value.	Calendar year.	Short tons.	Value.
1901.....	1,511,300	(1)	1911.....	3,562,870	17,159,061.93
1902.....	1,679,287	(1)	1912.....	3,671,242	16,313,507.36
1903.....	1,727,089	(1)	1913.....	3,869,879	18,435,050.15
1904.....	2,942,197	(1)	1914.....	4,196,845	25,842,434.66
1905.....	3,385,846	(1)	1915.....	3,784,789	19,984,339.79
1906.....	3,816,132	(1)	1916.....	3,877,314	20,623,639.93
1907.....	3,858,829	(1)	1917.....	3,852,528	24,999,377.40
1908.....	3,903,456	(1)	1918.....	5,082,250	44,920,304.36
1909.....	5,038,859	(1)	1919.....	1,947,100	29,160,795.18
1910.....	3,245,630	\$18,227,405.00	1920 *.....	2,344,795	93,835,573.92

* No statistics available.

* Exclusive of through traffic, 58,231 tons; value, \$574,640.73. See Malden River, Mass.

(Navigation season, year-round.)

*Freight traffic, 1920.***FOREIGN.**

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages: Sugar.....	118,788	118,788	\$39,140,554.00	\$39,140,554.00
Textiles: Cotton.....	27,908	27,908	25,507,912.00	25,507,912.00
Wood and paper: Lumber.....	102	102	2,600.00	2,600.00
Nonmetallic minerals: Crude petroleum.....	396,483	396,483	1,663,902.96	1,663,902.96
Total imports.....		543,281		66,314,968.96
EXPORTS.				
Nonmetallic minerals: Refined petroleum.....	15,537	15,537	242,215.99	242,215.99
Total imports and exports.....		558,818		66,557,184.95

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commod- ities.	By classe.
RECEIPTS, COASTWISE.					
Wood and paper.....			40,133		\$1,136,362.06
Roofing and flashing.....		1,082		\$53,780.61	
Dry and tarred felt.....		753		87,465.60	
Lumber.....	13,647			457,000.00	
Ties.....	20,300			406,000.00	
Logs.....	4,400			132,000.00	
Labels and display boards.....		1		115.84	
Nonmetallic minerals.....			1,356,554		14,043,832.14
Gas and fuel oil.....	59,684			578,192.16	
Sand.....	32,542			32,792.00	
Gravel.....	834			1,751.40	
Pebbles.....	490			1,103.63	
Granite.....	2,500			10,000.00	
Lime.....		900		9,000.00	
Coal.....	1,257,800			13,385,635.46	
Filter-oil.....	194			7,214.00	
Water-gas tar.....	754			10,050.30	
Oil tar.....	856			8,093.19	
Textiles: Congoleum and congoleum rugs.....		37	37	20,224.75	20,224.75
Total.....	1,394,001	2,723	1,396,724	.....	15,900,418.94
SHIPMENTS, COASTWISE.					
Textiles: Cotton.....		5,806	5,806	5,306,684.00	5,306,684.00
Nonmetallic minerals.....			382,838		6,721,812.06
Coal.....	121,178			1,118,723.27	
Refined petroleum.....		177,761		4,547,602.11	
Gas oil.....	26,750			143,970.94	
Coke.....		53,481		845,457.15	
Coal-tar oil.....	829			28,211.22	
Water-gas tar.....	2,839			37,847.34	
Ores, metals, and manufactures, ex- cept machinery and vehicles: Steel..		609	609	49,474.00	49,474.00
Total.....	151,596	237,657	389,253	.....	12,077,970.08
Total receipts and shipments....	1,545,597	240,380	1,785,977	.....	27,278,388.97

CARGOES IN TRANSIT (TRAFFIC OF MALDEN RIVER).

Commodities.	Amount in short tons.	Value.
Coal.....	43,298	\$528,674.43
Sand.....	13,206	15,266.10
Fuel oil.....	1,667	30,710.20
Total.....	58,231	574,640.73

Freight traffic, 1920—Continued.

SUMMARY.

	Foreign.				Domestic.		Total.	
	Imports.		Exports.		Coastwise.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products, oil seeds, expressed oils and beverages.....	118,788	\$39,140,554.00					118,788	\$39,140,554.00
Textiles.....	27,908	25,507,912.00			5,843	\$5,326,908.75	33,751	30,834,820.75
Wood and paper.....	102	2,600.00			40,133	1,136,362.05	40,235	1,138,962.05
Nonmetallic minerals.....	396,483	1,663,902.96	15,537	\$242,215.99	1,739,392	20,765,644.17	2,151,412	22,671,763.12
Ores, metals, and manufactures, except machinery and vehicles.....					609	49,474.00	609	49,474.00
Total.....	543,281	66,314,968.96	15,537	242,215.99	1,785,977	27,278,388.97	2,344,795	93,835,573.92

CARGOES IN TRANSIT (TRAFFIC OF MALDEN RIVER.)

Short tons.....	58,231
Value.....	\$574,640.73

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.
Steamers.....	477	21	498
Sailing vessels.....	17	1	18
Barges.....	687	.....	687
Lighters.....	524	.....	524
Total.....	1,705	22	1,727

MALDEN RIVER, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1901.....	61,600	(1)	1911.....	80,033	(1)
1902.....	80,700	(1)	1912.....	80,949	(1)
1903.....	87,000	(1)	1913.....	86,676	\$389,624.18
1904.....	75,225	(1)	1914.....	80,865	409,636.98
1905.....	79,690	(1)	1915.....	86,957	437,128.15
1906.....	90,815	(1)	1916.....	87,202	505,941.13
1907.....	88,575	(1)	1917.....	67,029	449,272.93
1908.....	69,422	(1)	1918.....	52,512	422,068.69
1909.....	117,504	(1)	1919.....	49,923	454,209.73
1910.....	88,834	(1)	1920.....	58,231	574,640.73

1 No statistics available.

[Navigation season, year-round.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amounts in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals.....			58,231		\$574,640.73
Coal.....	43,298			\$528,674.43	
Sand.....	13,266			15,256.10	
Fuel oil.....	1,667			30,710.20	
Total.....	58,231		58,231		574,640.73

Vessel classification, 1920.

American:	
Steamers.....	5
Barges.....	35
Lighters.....	100
Total.....	140

DORCHESTER BAY AND NEPONSET RIVER, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1905.....	331,936	(1)	1913.....	263,809	\$1,490,175
1906.....	334,026	(1)	1914.....	252,247	1,441,209
1907.....	349,764	(1)	1915.....	181,250	1,109,816
1908.....	337,397	(1)	1916.....	198,450	1,221,135
1909.....	251,667	(1)	1917.....	148,874	1,111,493
1910.....	245,904	\$1,480,898	1918.....	196,323	1,824,062
1911.....	256,039	1,520,213	1919.....	182,858	2,220,745
1912.....	196,177	1,379,623	1920.....	213,254	3,616,520

¹No statistics available.

[Navigation season, year-round.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper.....		3,063		\$162,962
Lumber.....	3,024		\$162,246	
Laths.....	39		706	
Total.....		3,063		162,962

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals.....			208,238		\$3,424,009
Coal.....	124,373			\$1,403,463	
Petroleum and products.....	11,534			807,355	
Gas oil.....	21,864			309,987	
Coke.....	50,467			903,204	
Wood and paper.....			184		6,418
Spruce lumber.....	178			6,317	
Laths.....		6		101	
Total.....	208,416	6	208,422		3,430,427
SHIPMENTS, COASTWISE.					
Nonmetallic minerals: Water gas tar.....		1,769	1,769	23,141	23,141
Total receipts and shipments.....	208,416	1,775	210,191		3,453,568

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals.....			210,007	\$3,447,150	210,007	\$3,447,150
Wood and paper.....	3,063	\$162,952	184	6,418	3,247	169,370
Total.....	3,063	162,952	210,191	3,453,568	213,254	3,616,520

WEYMOUTH FORE RIVER, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1901.....	44,564	(1)	1911.....	173,445	\$388,665.59
1902.....	69,701	(1)	1912.....	170,266	1,281,053.16
1903.....	92,759	(1)	1913.....	175,051	1,084,081.73
1904.....	95,843	(1)	1914.....	175,585	741,182.48
1905.....	158,857	(1)	1915.....	148,149	976,695.28
1906.....	124,388	(1)	1916.....	212,662	1,070,172.79
1907.....	179,551	(1)	1917.....	153,517	835,763.34
1908.....	173,649	(1)	1918.....	142,560	1,695,840.96
1909.....	159,342	(1)	1919.....	113,030	1,686,813.42
1910.....	186,303	\$906,116.09	1920.....	129,466	2,665,788.15

1 No statistics available.

[Navigation season, year-round.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber.....	980	980	\$35,844	\$35,844

DOMESTIC.

Classes and commodities.	Amounts in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals.....			121,564		\$1,371,811.16
Granite.....	9,407			\$30,897.59	
Oil.....		2,376		46,656.35	
Gas oil.....		1,308		39,387.03	
Sand.....	164			492.00	
Cement.....		1,002		17,519.25	
Coal.....	105,779			1,210,948.34	
Coke.....	1,528			25,910.60	
Ores, metals and manufactures.....			5,253		498,707.66
Castings.....		108		3,018.42	
Boilers.....	1,137			360,000.00	
Steel.....	4,008			135,689.21	
Wood and paper: Lumber.....	605		605	22,156.00	22,156.00
Total.....	122,628	4,794	127,422		1,892,674.82
SHIPMENTS, COASTWISE.					
Machinery and vehicles.....			1,064		737,269.33
Boilers.....	571			520,646.64	
Machinery.....	493			216,622.69	
Total.....	1,064		1,064		737,269.33
Total receipts and shipments.....	123,692	4,794	128,486		2,629,944.15

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	980	\$35,844.00	605	\$22,156.00	1,585	\$58,000.00
Nonmetallic minerals.....			121,564	1,371,811.16	121,564	1,371,811.16
Ores, metals and manufactures.....			5,253	498,707.66	5,253	498,707.66
Machinery and vehicles.....			1,064	737,269.33	1,064	737,269.33
Total.....	980	35,844.00	128,486	2,629,944.15	129,466	2,665,788.15

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.
Steamers.....	10	.....	10
Sailing vessels.....	10	6	16
Barkes.....	84	.....	84
Box boats.....	2	.....	2
Lighters.....	27	.....	27
Total.....	133	6	139

WEYMOUTH BACK RIVER, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1901.....	83, 621	(¹)	1911.....	204, 625	\$4, 580, 191
1902.....	101, 727	(¹)	1912.....	241, 984	5, 187, 732
1903.....	132, 600	(¹)	1913.....	196, 125	4, 108, 418
1904.....	124, 691	(¹)	1914.....	257, 206	5, 822, 994
1905.....	145, 933	(¹)	1915.....	206, 323	4, 616, 218
1906.....	136, 560	(¹)	1916.....	200, 905	4, 852, 178
1907.....	168, 756	(¹)	1917.....	222, 278	6, 848, 037
1908.....	170, 064	(¹)	1918.....	177, 074	6, 419, 981
1909.....	180, 009	(¹)	1919.....	169, 218	6, 164, 786
1910.....	181, 104	\$3, 417, 482	1920.....	234, 858	7, 569, 804

¹ No statistics available.

[Navigation season, year round.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Textiles: Burlap.....	475	475	\$228, 000	\$228, 000
Chemicals.....	.....	19, 119	.....	1, 468, 043
Potash.....	10, 606	.....	912, 600	.....
Nitrate soda.....	8, 513	.....	555, 443	.....
Total imports.....	.....	19, 594	.....	1, 696, 043
EXPORTS.				
Chemicals: Fertiliser.....	4, 203	4, 203	163, 917	163, 917
Total imports and exports.....	.....	23, 797	.....	1, 859, 960

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amounts in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Chemicals.....			71,690		\$1,785,988
Phosphate rock.....	33,935			\$403,006	
Potash.....		569		49,990	
Sulphate ammonia.....		3,862		456,240	
Tankages.....	7,948			534,988	
Fertilizing material.....	25,376			341,762	
Nonmetallic minerals: Coal.....	8,435		8,435	90,914	90,914
Total.....	75,694	4,431	80,125		1,876,900
SHIPMENTS, COASTWISE.					
Chemicals.....			107,527		3,833,683
Fertilizer.....		88,770		3,462,030	
Acid phosphate.....		17,401		295,817	
Miscellaneous chemicals.....		1,198		60,826	
Fluorine.....		158		15,010	
Unclassified: Cinders.....	23,409		23,409	29,261	29,261
Total.....	23,409	107,527	130,936		3,862,944
Total receipts and shipments.....	99,103	111,958	211,061		5,739,844

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Textiles.....	475	\$228,000					475	\$228,000
Chemicals.....	19,119	1,468,043	4,203	\$163,917	179,217	\$5,619,669	202,539	7,251,639
Nonmetallic minerals.....					8,435	90,914	8,435	90,914
Unclassified.....					23,409	29,261	23,409	29,261
Total	19,594	1,696,043	4,203	163,917	211,061	5,739,844	234,858	7,599,804

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.
Steamers.....	13		13
Sailing vessels.....	25	10	35
Barges.....	101		101
Lighters.....	420		420
Tugs.....	560		560
Total	1,119	10	1,129

GLOUCESTER HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1897.....	82,600	(¹)	(¹)	1909.....	218,165	(¹)	82,000
1898.....	86,050	(¹)	(¹)	1910.....	214,266	\$13,231,489.71	70,000
1899.....	287,922	(¹)	(¹)	1911.....	223,533	15,202,912.68	42,000
1900.....	267,475	(¹)	75,000	1912.....	217,753	15,423,328.62	38,165
1901.....	263,684	(¹)	75,000	1913.....	254,421	13,953,846.86	37,165
1902.....	285,736	(¹)	60,000	1914.....	236,204	13,669,942.53	29,165
1903.....	328,501	(¹)	80,000	1915.....	275,757	14,346,634.58	31,352
1904.....	263,526	(¹)	85,000	1916.....	254,544	15,724,119.02	35,000
1905.....	406,527	(¹)	70,000	1917*.....	239,272	17,790,516.11	667
1906.....	275,888	(¹)	80,000	1918.....	188,340	17,296,956.40	1,000
1907.....	233,516	(¹)	80,000	1919.....	161,098	12,924,463.86	300
1908.....	209,074	(¹)	80,000	1920.....	138,364	9,506,770.00	4,234

¹ No statistics available.² From and including 1917, one passenger steamer has been discontinued between Gloucester and Boston

[Navigation season, year round.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		9,952		\$723,107
Fish, fresh, salt, dried, etc., and fish products.....	9,912		\$717,514	
Fish oil.....	40		5,593	
Nonmetallic minerals: Salt.....	16,576	16,576	203,912	203,912
Unclassified: Canned goods.....	400	400	210,307	210,307
Total.....		26,928		1,137,326
EXPORTS.				
Animals and animal products, except wool and hair:				
Fish.....	2,000	2,000	250,000	250,000
Nonmetallic minerals.....		516		7,236
Coal.....	62		821	
Salt.....	464		6,415	
Total.....		2,516		257,236
Total imports and exports.....		29,444		1,394,562

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair: Fish.....	18,087		18,087	\$1,689,093	\$1,689,093
Nonmetallic minerals.....			52,833		740,115
Coal.....	48,413			495,104	
Gas oil.....	1,053			23,013	
Salt.....		261		2,475	
Petroleum and products.....	3,136			219,523	
Unclassified: Miscellaneous.....		37,500	37,500	5,625,000	5,625,000
Total.....	70,689	37,731	108,420		8,054,208
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair: Fish.....		500	500	60,000	60,000
Total receipts and shipments.....	70,689	38,231	108,920		8,114,208

SUMMARY.

Classes of com- modities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair	9,952	\$723,107	2,000	\$250,000	18,587	\$1,749,093	30,539	\$2,722,200
Nonmetallic minerals.	16,576	203,912	516	7,236	52,833	740,115	69,925	951,263
Unclassified	400	210,307	.....	.....	37,500	5,625,000	37,900	5,835,307
Total	26,928	1,137,326	2,516	257,236	108,920	8,114,208	138,364	9,508,770

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.	Passengers.
Steamers.....	1,934	5	1,939	4,234
Sailing vessels.....	1,581	71	1,652	.....
Barges.....	61	.....	61	.....
Motor boats.....	563	.....	563	.....
Gas vessels.....	.....	17	17	.....
Lighters.....	108	.....	108	.....
Total.....	4,247	93	4,340	4,234

¹ This figure includes 271 round trips of a freight-and-passenger steamer in regular service between Boston and Gloucester.

BEVERLY HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1901.....	47,378	(1)	1911.....	244,623	\$1,464,354.73
1902.....	53,142	(1)	1912.....	325,063	2,173,365.42
1903.....	93,085	(1)	1913.....	455,521	3,321,757.38
1904.....	138,843	(1)	1914.....	420,957	3,150,242.70
1905.....	150,062	(1)	1915.....	473,455	3,430,674.07
1906.....	138,862	(1)	1916.....	504,598	4,625,066.85
1907.....	179,578	(1)	1917.....	444,695	5,113,377.12
1908.....	223,933	(1)	1918.....	389,944	4,813,677.52
1909.....	196,203	(1)	1919.....	336,201	5,826,701.34
1910.....	204,697	\$1,296,318.17	1920.....	244,973	6,113,645.62

¹ No statistics available.

[Navigation season, year round.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber.....	101	101	\$3,570.40	\$3,570.40

DOMESTIC.

Classes and commodities.	Amounts in short tons by commodities (bulk).	Amount in short tons by classes.	Value.	
			By commodities.	By classes.
RECEIPTS, COASTWISE.				
Nonmetallic minerals		244,430		\$6,007,622.22
Coal	149,870		\$1,495,164.79	
Crude and refined oils	94,560		4,512,457.43	
Unclassified: Miscellaneous	442	442	102,453.00	102,453.00
Total	244,872	244,872		6,110,075.22

SUMMARY.

Classes of commodities.	Foreign Imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	101	\$3,570.40			101	\$3,570.40
Nonmetallic minerals.....			244,430	\$6,007,622.22	244,430	6,007,622.22
Unclassified.....			442	102,453.00	442	102,453.00
Total.....	101	\$3,570.40	244,872	6,110,075.22	244,973	6,113,645.62

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.
Steamers.....	45		45
Sailing vessels.....		1	1
Barges.....	56		56
Motor boats.....	1		1
Total.....	102	1	103

SALEM HARBOR, MASS.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1904.....	111,967	()	1913.....	91,617	\$401,103.61
1905.....	130,800	()	1914.....	77,685	317,685.80
1906.....	()	()	1915.....	97,378	281,030.10
1907.....	()	()	1916.....	55,639	346,000.00
1908.....	()	()	1917.....	58,158	370,310.92
1909.....	150,759	()	1918.....	66,634	554,230.23
1910.....	40,006	()	1919.....	75,387	540,894.18
1911.....	38,981	()	1920.....	92,669	764,061.54
1912.....	38,970	\$161,989.10			

¹ No statistics available.

[Navigation season, year round.]

*Freight traffic, 1920.***FOREIGN.**

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products except wool and hair:				
Fish oil.....	70	70	\$9,250	\$9,250

DOMESTIC.

Classes and commodities.	Amount in short tons by com- modities (bulk).	Amount in short tons by classes.	Value.	
			By com- modities.	By classes.
RECEIPTS, COASTWISE.				
Nonmetallic minerals.....		92,499		\$754,811.54
Sand.....	400		\$640.00	
Coal.....	92,099		754,171.54	
Total.....	92,499	92,499		754,811.54

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products except wool and hair.....	70	\$9,250	92,499	\$754,811.54	70	\$9,250.00
Nonmetallic minerals.....					92,499	754,811.54
Total.....	70	9,250	92,499	754,811.54	92,569	764,061.54

Vessel classification, 1920.

American:	
Sailing vessels.....	1
Barges.....	60
Lighters.....	1
Total.....	62

LYNN HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1902.....	361,562	(1)	1912.....	466,637	\$1,852,526.96
1903.....	296,579	(1)	1913.....	430,513	1,957,720.47
1904.....	290,364	(1)	1914.....	382,203	1,718,216.97
1905.....	356,161	(1)	1915.....	385,781	1,539,199.51
1906.....	343,784	(1)	1916.....	413,783	1,883,826.97
1907.....	366,327	(1)	1917.....	338,783	1,643,193.77
1908.....	353,362	(1)	1918.....	309,931	2,281,806.84
1909.....	359,195	(1)	1919.....	274,639	1,536,418.14
1910.....	433,808	\$1,410,861.86	1920.....	264,026	2,607,116.75
1911.....	478,574	1,650,590.63			

¹ No statistics available.

[Navigation season, year round.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Hemlock boards.....	150	150	\$5,500	\$5,500

Exports. None.

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals.....			231,316		\$2,555,133.72
Coal.....	214,398			\$2,288,896.14	
Coke.....	2,132			34,517.55	
Sand.....	6,896			8,803.83	
Gas oil.....	8,391			222,916.20	
Wood and paper: Lumber.....	2,160		2,160	46,483.03	46,483.03
Unclassified: Miscellaneous.....		15,200	15,200	Unknown.	Unknown.
Total.....	233,476	15,200	248,676		2,601,616.75
SHIPMENTS COASTWISE.					
Unclassified: Miscellaneous.....		15,200	15,200	Unknown.	Unknown.
Total receipts and shipments....	233,476	30,400	263,876		2,601,616.75

¹ Incomplete by the unknown valuation. The miscellaneous freight is carried between Lynn and Boston by towed barges handling a general express and package freight business. No accurate statement of value can be shown.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic, coastwise.		Total	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	150	\$5, 500. 00	2, 160	\$46, 483. 03	2, 310	\$51, 983. 03
Nonmetallic minerals.....			231, 316	2, 555, 133. 72	231, 316	2, 555, 133. 72
Unclassified.....			30, 400	Unknown.	30, 400	Unknown.
Total.....	150	\$5, 500. 00	263, 876	2, 601, 616. 75	264, 026	2, 607, 116. 75

¹ Incomplete by the unknown valuation.

Vessel classification, 1920.

American:		
Steam lighters.....		15
Sailing vessels.....		14
Coal and oil barges.....		120
Express barges ¹		300
Lighters.....		31
Towboat ¹		300
Total.....		780

¹ Two barges, with towboat, make daily trips between Lynn and Boston with package freight; one barge per day.

PLYMOUTH HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1899.....	24,765	(1)	(1)	1910.....	39,848	(1)	58,985
1900.....	39,870	(1)	(1)	1911.....	48,657	(1)	53,893
1901.....	33,300	(1)	(1)	1912.....	37,620	\$200,000.00	52,009
1902.....	32,873	(1)	(1)	1913.....	38,612	200,000.00	70,876
1903.....	34,142	(1)	(1)	1914.....	45,127	243,780.00	61,806
1904.....	49,396	(1)	49,335	1915.....	37,103	214,992.56	50,493
1905.....	57,400	(1)	58,000	1916.....	40,246	259,229.25	76,179
1906.....	33,354	(1)	49,795	1917.....	28,604	243,973.75	(1)
1907.....	40,615	(1)	52,525	1918.....	13,516	125,491.00	(1)
1908.....	39,860	(1)	53,987	1919.....	14,310	139,913.38	24,000
1909.....	37,840	(1)	58,246	1920.....	14,994	200,058.00	70,197

¹ No statistics available.² Passenger steamboat service between Boston and Plymouth was discontinued during 1917 and 1918.

[Navigation season, year round.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Wood and paper: Lumber.....	150	150	\$4,861	\$4,861

DOMESTIC.

Classes and commodities.	Amounts in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Wood and paper: Lumber.....	183	.....	183	\$5,407	\$5,407
Nonmetallic minerals: Coal.....	14,495	.....	14,495	170,890	170,890
Unclassified: Miscellaneous.....	.....	157	157	18,000	18,000
Total.....	14,678	157	14,835	.....	194,297
SHIPMENTS, COASTWISE.					
Unclassified: Miscellaneous.....	.....	9	9	900	900
Total receipts and shipments.....	14,678	166	14,844	.....	195,197

The above commerce is entirely local; Plymouth Harbor is not a general port of call.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	150	\$4,861	183	\$5,407	333	\$10,268
Nonmetallic minerals			14,495	170,890	14,495	170,890
Unclassified			166	18,900	166	18,900
Total	150	4,861	14,844	195,197	14,994	200,058

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.	Passengers.
Steamers	187		87	70,197
Sailing vessels	1	1	2	
Barges	11		11	
Total	99	1	100	70,197

¹ Represents one excursion steamer making 87 round trips between Boston and Plymouth, commencing June 12 and discontinuing Sept. 6, 1920.

PROVIDENCE, R. I., DISTRICT.

NANTUCKET HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers	Year.	Tons.	Value.	Passengers.
1895.....	11,624	(1)	(1)	1908.....	26,840	\$1,000,600	42,072
1896.....	14,438	(1)	(1)	1909.....	28,550	1,251,543	56,302
1897.....	16,701	(1)	(1)	1910.....	31,758	1,155,164	46,790
1898.....	18,428	(1)	(1)	1911.....	36,630	1,283,173	49,240
1899.....	19,088	(1)	(1)	1912.....	33,742	1,476,131	48,311
1900.....	24,410	(1)	(1)	1913.....	28,860	1,475,908	69,216
1901.....	25,813	(1)	(1)	1914.....	36,653	1,488,381	68,517
1902.....	28,290	(1)	(1)	1915.....	45,836	1,968,837	59,666
1903.....	34,480	(1)	(1)	1916.....	44,458	2,096,651	50,835
1904.....	38,594	(1)	(1)	1917.....	41,018	4,224,631	47,119
1905.....	41,390	(1)	(1)	1918.....	37,623	4,301,840	38,940
1906.....	43,291	(1)	(1)	1919.....	24,415	6,684,493	52,827
1907.....	43,919	(1)	(1)	1920.....	26,494	4,023,520	55,892

¹ No statistics available.

[Navigation season, the entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul miles.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and paper.....			746		\$6,063		<i>Cents.</i>
Piles.....	20			\$1,000		30	15.833
Cordwood.....	726			5,063		30	4.362
Nonmetallic minerals.....			13,526		189,666		
Coal, anthracite.....	10,610			117,150		252	1.066
Coal, bituminous.....	2,308			27,548		202	1.499
Gasoline.....		594		44,438		73	10.601
Kerosene.....		8		430		73	10.616
Road tar.....		6		100		73	10.000
Unclassified: Miscellaneous.....		7,937	7,937		2,975,875	75	5.340
Total.....	13,664	8,545	22,209		3,171,604		
SHIPMENTS, COASTWISE.							
Ores, metals, and manufactures of: Steel barrels.....		150	150	29,916	29,916	73	11.384
Unclassified freight.....		4,135	4,135	827,000	827,000	71	4.685
Total.....		4,285	4,285		856,916		
Total receipts and shipments, coastwise.....	13,664	12,830	26,494		4,028,520		

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Wood and paper.....	746	\$6,063
Nonmetallic minerals.....	13,526	189,666
Ores, metals, and manufactures of.....	150	29,916
Unclassified.....	12,072	3,902,875
Total.....	26,494	4,028,520

Vessel classification, 1920.

Classes.	Total arrivals and departures.	Net registered tonnage.	Passengers.
Registered:			
Steamers ¹	11,522	371,050	55,892
Sailing ²	606	18,691	.....
Barges ³	2	400	.....
Unregistered:			
Steamers.....	3,380	9,450	8,350
Sail.....	630	1,980	1,650
Total.....	16,140	401,571	65,892

¹ Included with "registered steamers" are 475 steamers of from 7 to 10 feet draft, on transportation lines, 13 towboats, 170 motor freight boats, 10,750 motor fishing boats, and 114 yachts.

² Included with "registered sailing" are 56 freight schooners, with 6 to 10 feet draft, 350 large sailboats, and 200 yachts.

³ Included with "registered barges" are 2 coal barges of 10 feet draft.

In addition to the above, 25 Government vessels, aggregating 5,000 tons displacement, are reported as having used the harbor.

NEW BEDFORD AND FAIRHAVEN HARBORS, MASS.

Comparative statement of traffic.

Year.	To and from New Bedford.			In transit.	
	Tons.	Value.	Passengers.	Tons.	Value.
1896.....	841,950	(1)	(1)	(1)	(1)
1897.....	668,165	(1)	(1)	(1)	(1)
1898.....	635,270	(1)	(1)	(1)	(1)
1899.....	653,120	(1)	(1)	(1)	(1)
1900.....	651,875	(1)	(1)	(1)	(1)
1901.....	651,602	(1)	(1)	(1)	(1)
1902.....	468,408	(1)	(1)	(1)	(1)
1903.....	814,517	(1)	(1)	(1)	(1)
1904.....	775,000	(1)	(1)	(1)	(1)
1905.....	869,149	(1)	(1)	(1)	(1)
1906.....	899,632	(1)	(1)	(1)	(1)
1907.....	1,189,552	(1)	(1)	(1)	(1)
1908.....	1,511,885	41,091,124	271,811	(1)	(1)
1909.....	1,392,802	47,607,190	272,393	(1)	(1)
1910.....	1,529,304	48,174,280	211,599	(1)	(1)
1911.....	1,563,908	40,275,602	269,376	(1)	(1)
1912.....	1,478,733	44,599,344	261,082	(1)	(1)
1913.....	1,491,046	46,360,645	270,802	(1)	(1)
1914.....	1,460,784	43,354,028	250,414	(1)	(1)
1915.....	1,134,658	50,343,702	247,355	491,568	2,064,500
1916.....	1,250,194	135,651,644	240,500	276,730	1,208,300
1917.....	1,264,881	148,615,227	283,734	284,592	1,935,000
1918.....	1,248,840	138,026,815	197,533	314,750	2,537,000
1919.....	949,457	175,953,566	217,153	(1)	(1)
1920.....	1,029,195	180,693,188	² 174,006	(1)	(1)

¹ No data available.

² Incomplete; no data available for excursion traffic.

[Navigation season, the entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Sperm oil	910	910	\$195,247	\$195,247
Wood and paper: Spruce lumber	201	201	8,966	8,966
Unclassified: Merchandise, unclassified	2,000	2,000	400,000	400,000
Total		3,111		604,213
EXPORTS.				
Unclassified: Merchandise	4,575	4,575	900,000	900,000
Total imports and exports		7,686		1,504,213

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Textiles: Cotton.....		42, 857	42, 857	\$31, 901, 530	\$31, 901, 530	Miles. 165	Cents.* 1 4. 940
Wood and paper.....			4, 941		186, 248		
Softwood lumber.....	325			10, 665		190	1 1. 785
Hardwood lumber.....	4, 616			178, 583		1, 030	. 753
Nonmetallic minerals.....			818, 322		9, 056, 628		
Coal, anthracite.....	133, 961			1, 465, 183		174	1. 072
Coal, bituminous.....	650, 808			6, 545, 224		370	. 419
Gasoline.....	6, 364			453, 754		103	(²)
Gas oil.....	7, 602			277, 059		(²)	(²)
Fuel oil.....	17, 512			223, 433		68	1 1. 806
Illuminating oil.....	2, 075			91, 975		105	(²)
Unclassified: Merchandise.....		57, 271	57, 271	43, 638, 382	43, 638, 382	162	6. 555
Total.....	\$23, 263	100, 128	923, 391		84, 785, 788		
SHIPMENTS, COASTWISE.							
Textiles: Cotton.....		1, 733	1, 733	1, 334, 410	1, 334, 410	168	4. 940
Nonmetallic minerals.....			6, 652		105, 951		
Coal, anthracite.....	1, 500			15, 000		(²)	(²)
Coal, bituminous.....	4, 950			52, 250		193	1 2. 151
Gasoline.....		202		38, 701		93	10. 654
Unclassified: Merchandise.....		89, 733	89, 733	92, 962, 826	92, 962, 826	146	6. 622
Total.....	6, 450	91, 668	98, 118		94, 403, 187		
Total receipts and shipments coastwise.....	829, 713	191, 796	1, 021, 509		179, 188, 975		

¹ Data incomplete.² In vessels owned by shipper or consignee.³ No data available.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.		Tons.	Value.	Tons.	Value.
	Tons.	Value.	Tons.	Value.				
Animals and animal products.....	910	\$195,247					910	\$195,247
Textiles.....					44,590	\$33,235,940	44,590	33,235,940
Wood and paper.....	201	8,966			4,941	189,248	5,142	198,214
Nonmetallic minerals.....					824,974	9,162,579	824,974	9,162,579
Unclassified.....	2,000	400,000	4,575	\$900,000	147,004	136,601,208	153,579	137,901,208
Total.....	3,111	604,213	4,575	900,000	1,021,509	179,188,975	1,029,195	180,693,188

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers.....	6,613	4	6,617	1,217,382	162,495
Sailing.....	121	6	127	7,110	2,011
Barges.....	490		490	435,640	
Unregistered:					
Steamers (small motor boats).....	3,000		3,000	12,000	9,000
Sailing (small sailboats).....	240		240	960	500
Barges (lighters).....	60		60	4,800	
Total.....	10,524	10	10,534	1,677,892	174,006

The number and maximum draft (so far as ascertainable) of the various classes of vessels are:

"Registered steamers"—1,042 American, 19 feet, and 4 foreign steamers on regular transportation lines; 19 steam colliers, 23 feet; 65 motor-driven oil tanks, 16 feet; 3 freight steamers, 24 feet; 1,163 tugs, 18 feet; 1 wrecking steamer; 50 steam and motor-driven yachts; 2,520 steam and motor-driven fishing and oyster boats, 9 feet; 1,750 small freight and passenger steam and motor boats.

"Registered sailing"—7 large freight schooners, 17 feet; 3 whaling boats, 17 feet; 8 whaling schooners, 9.5 feet; 13 American and 6 foreign passenger packet schooners, 9 feet; 40 yachts; 50 large sailboats.

"Registered barges"—458 coal barges, 21 feet; 27 oil barges, 14.7 feet; and 5 lumber barges, 17.5 feet.

In addition to the above 41 entries and departures of Government vessel were reported, and 200 scow loads of mud aggregating 193,035 long tons, were towed through the harbor by 200 tugs, with an aggregate net tonnage of 6,500 tons, from dredging work for private enterprises by 8 dredges.

FALL RIVER HARBOR, MASS.

Comparative statement of traffic.

Year.	To and from Fall River Harbor.			In transit.	
	Tons.	Value.	Passengers.	Tons.	Value.
1898.....	3,200,000	()	()	()	()
1899.....	3,220,000	()	()	()	()
1900.....	3,315,000	()	()	()	()
1901.....	3,435,000	()	()	()	()
1902.....	3,415,000	()	()	()	()
1903.....	3,990,500	()	()	()	()
1904.....	()	()	()	()	()
1905.....	4,086,199	()	()	()	()
1906.....	4,165,990	()	()	()	()
1907.....	4,178,495	()	()	()	()
1908.....	()	()	()	()	()
1909.....	1,205,220	\$53,018,940	321,495	126,509	* \$523,045
1910.....	1,253,014	52,348,648	451,711	137,284	894,432
1911.....	1,250,930	54,660,317	398,678	137,854	755,999
1912.....	1,052,818	48,295,285	370,844	113,834	482,168
1913.....	1,180,091	50,222,106	355,124	106,076	487,570
1914.....	1,322,336	49,406,345	322,710	106,413	468,745
1915.....	1,285,636	57,384,256	345,296	107,968	454,011
1916.....	1,514,125	191,554,515	372,231	139,349	632,839
1917.....	1,469,750	228,249,185	244,525	65,531	420,443
1918.....	1,395,591	200,444,795	190,732	59,711	328,922
1919.....	1,126,139	205,576,991	427,800	41,247	345,639
1920.....	1,067,116	179,750,246	351,200	40,720	453,297

¹ No data available.² Figures for columns "in transit" 1909 to 1916, inclusive, include an unknown quantity of freight originating in or consigned to Fall River Harbor to and from Taunton River.

[Season of navigation, the entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Spruce lumber.....	1,087	1,087	\$40,105	\$40,105
Nonmetallic minerals: Crude petroleum.....	56,896	56,896	706,599	706,599
Total imports.....		57,973		745,704

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	Cents.
Textiles.....			8,366		\$6,450,282		
Cotton.....		8,365		\$6,449,415		176	4.826
Other textiles.....		1		867		176	6.453
Wood and paper.....			5,309		197,128		
Lumber.....	5,195			192,714		980	1.345
Empty barrels.....	114			4,414		200	(1)
Nonmetallic minerals:			619,202		5,689,850		
Coal, anthracite.....	102,899			1,179,772		173	.945
Coal, bituminous.....	479,166			4,191,516		442	.521
Gasoline.....	332			23,268		176	(2)
Lubricating oil.....		11		2,448		176	(2)
Crushed stone.....	5,344			12,684		113	.494
Sand.....	250			562		220	.681
Roofing gravel.....	200			600		176	(1)
Cement.....		31,000		279,000		400	.557
Ores, metals, and manufactures of.....			577		41,818		
Reinforcing steel.....		500		21,000		400	.600
Tools.....		2		555		176	6.453
Nails, nuts, and bolts.....		7		1,327		176	6.453
Pipe and fittings.....		20		3,113		176	6.453
Unclassified manufactured iron and steel.....		25		7,985		176	6.453
Manufactured copper.....		8		2,838		176	6.453
Metal, unclassified.....		15		5,000		176	6.453
Machinery and vehicles.....			116		47,651		
Electrical machinery.....		2		1,207		176	6.453
Metal working machinery.....		4		2,000		176	6.453
Unclassified machinery and repair parts for.....		110		44,444		176	6.453
Chemicals: Paints.....		15	15	4,639	4,639	176	6.453
Unclassified: Merchandise.....		114,735	114,735	57,367,000	57,367,000	176	6.453
Total.....	503,500	154,820	748,320		69,798,368		
SHIPMENTS, COASTWISE.							
Animals and animal products: Fish.....		24	24	2,343	2,343	176	6.453
Textiles: Cotton.....		1,014	1,014	781,794	781,794	176	4.820
Wood and paper: Piles.....	15		15	375	375	161	(2)
Nonmetallic minerals: Fuel oil.....	8,020		8,020	103,407	103,407	55	1.818
Unclassified: Merchandise.....		129,914	129,914	77,948,400	77,948,400	176	6.453
Total.....	8,035	130,952	138,987		78,836,319		
Total receipts and shipments, coastwise.....	601,535	285,772	887,307		148,634,687		
RECEIPTS INTRAPORT.							
Animals and animal products.....			40		12,000		
Oyster shells.....		3		53		25	6.400
Unclassified animal products.....		37		11,947		25	6.400
Vegetable food products: Unclassified.....		40	40	4,000	4,000	25	6.400
Other vegetable products: Unclassified.....		40	40	8,000	8,000	25	6.400
Textiles: Cotton.....		15,000	15,000	11,550,000	11,550,000	25	6.400

1 No data available.

2 In vessels owned by consignor or consignee; no data.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Wood and paper: Unclassified.....		150	150	\$7,500	\$7,500	Miles. 25	Cents. 6.400
Nonmetallic minerals.....			10,181		428,946		
Gas oil.....	3,852			67,762		25	(²)
Illuminating oil.....	1,081			35,617		25	(²)
Oil, unclassified.....	3,958			277,377		25	(²)
Grits.....		3		47		25	6.064
Concrete blocks.....	910			8,190		25	2.520
Unclassified products.....		397		39,953		25	6.064
Ores, metals, and manufactures of: Unclassified.....		1,200	1,200	120,000	120,000	7	2.057
Machinery and vehicles.....			198		23,000		
Conveying machinery.....		136		17,000		25	(²)
Unclassified.....		60		6,000		25	6.400
Chemicals: Unclassified.....		100	100	20,000	20,000	25	6.400
Total.....	9,781	17,166	26,947		12,173,446		
SHIPMENTS, INTRAPORT.							
Animals and animal products: Unclassified.....		10	10	3,000	3,000	25	6.400
Vegetable food products: Unclassified.....		10	10	1,000	1,000	25	6.400
Other vegetable products: Unclassified.....		10	10	2,000	2,000	25	6.400
Textiles: Cotton.....		10,000	10,000	7,700,000	7,700,000	25	6.400
Wood and paper.....			170		31,352		
Lumber.....	120			6,352		17	11.765
Unclassified.....		50		25,000		7	20.571
Nonmetallic minerals.....			83,521		1,398,433		
Coal, anthracite.....	487			2,736		15	2.820
Coal, bituminous.....	55,340			546,700		15	2.820
Coke.....	134			1,742		17	11.765
Fuel oil.....	11,524			182,703		25	(²)
"Navy A".....	7,405			164,646		(¹) 25	(²)
Tops.....	3,415			165,546		(²)	
Oil, unclassified.....	3,301			198,060		20	(²)
Oil, unclassified.....	1,905			135,300		(¹) 7	(¹)
Unclassified products.....		10		1,000			20.571
Ores, metals, and manufactures of: Unclassified.....		400	400	40,000	40,000	7	20.571
Machinery and vehicles: Unclassified.....		15	15	1,500	1,500	25	6.400
Chemicals: Unclassified.....		30	30	6,000	6,000	25	6.400
Total.....	83,631	10,535	94,166		9,183,285		
Total receipts and shipments intraport.....	93,412	27,701	121,113		21,356,731		
RECEIPTS, INTERNAL.							
Animals and animal products.....			54		2,703		
Fish.....	24			2,343		11	(²)
Oyster shells.....	30			360		8	(²)
Total.....	54		54		2,703		
Total receipts and shipments internal.....	54		54		2,703		

¹ No data available.

² In vessels owned by consignor or consignee; no data.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
LOCAL.							
Nonmetallic minerals: Fuel oil.....	669	.....	669	\$10,421	\$10,421	Miles.	Cents.
CARGOES IN TRANSIT.							
Animals and animal products.....			335		4,435		
Seed oysters.....	305			4,075			
Oyster shells.....	30			360			
Wood and paper: Piles.....	563		563	5,360	5,360		
Nonmetallic minerals.....			39,822		443,502		
Coal, anthracite.....	16,580			201,546			
Coal, bituminous.....	5,386			50,848			
Fuel oil.....	10,000			130,000			
Molding sand.....	3,000			12,450			
Cement.....		111		2,428			
Fire clay.....	4,745			46,230			
Total in transit.....	40,609	111	40,720		453,297		

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.					
			Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....			24	\$2,343	104	\$17,703	128	\$20,046
Vegetable food products.....					50	5,000	50	5,000
Other vegetable products.....					50	10,000	50	10,000
Textiles.....			9,380	7,232,076	25,000	19,250,000	34,380	26,482,076
Wood and paper.....	1,087	\$40,105	5,324	197,503	320	38,852	6,731	276,460
Nonmetallic minerals.....	56,886	705,599	627,222	5,793,257	94,371	1,837,800	778,479	8,336,656
Ores, metals and manufactures.....			577	41,818	1,600	160,000	2,177	201,818
Machinery and vehicles.....			116	47,651	211	24,500	327	72,151
Chemicals.....			15	4,639	130	26,000	145	30,639
Unclassified.....			244,649	135,315,400			244,649	135,315,400
Total.....	57,973	745,704	887,307	148,634,687	121,836	21,369,855	1,067,116	170,750,246

CARGOES IN TRANSIT.

Short tons.....	40,720
Value.....	\$453,297

Vessel classification, 1920.

Classes.	Total arrivals and departures.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	2,415	1,701,197	334,400
Sailing.....	88	7,688	
Barges.....	486	307,067	
Unregistered:			
Steamers.....	7,050	25,276	13,000
Sail—small boats.....	700	2,000	3,800
Barges.....	115	18,610	
Total.....	10,854	2,061,848	351,200

The numbers and maximum drafts (so far as ascertainable) of the various classes of vessels are:

“Registered steamers”—1,223 passenger and freight steamers on regular transportation lines, 15 feet; 8 steam colliers, 25 feet; 7 steam tankers, 26 feet; 11 motor-driven tankers, 15.8 feet; 2 excursion steamers, 7 feet; 150 excursion motor launches, 5 feet; 40 motor driven freight boats and lighters, 5 feet; and 972 tugs, 18 feet.

“Registered sailing”—10 lumber schooners, 13 feet; 36 schooners with fire clay, 8 feet; 32 schooners with sand, 8 feet; and 10 schooners with miscellaneous cargoes, 14 feet.

“Registered barges”—445 coal barges, 22 feet; 17 tank barges, 14.5 feet; 3 lumber barges, 14 feet; 5 barges with crushed stone, 12 feet; and 16 barges with miscellaneous cargoes.

“Unregistered steamers”—50 motor fishing boats and 7,000 (estimated) motor pleasure craft.

“Unregistered barges”—57 tank barges, 18 lighters, 40 nondescript scows.

In addition to the above, 14 entries and departures of Government vessels with an aggregate displacement of 16,980 tons are reported, and 336 scow loads of dredgings were handled through the harbor.

During the calendar year, one auxiliary schooner yacht, 66 feet overall, and one steam lighter, 107.5 feet overall, were built and launched by the Crowninshield Shipbuilding Co. on the west side of the harbor.

TAUNTON RIVER, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894.....	477,050	\$6,545,000	(1)	1906.....	74,323	\$350,008	(1)
1895.....	500,903	(1)	(1)	1909.....	126,509	523,045	(1)
1896.....	500,000	(1)	(1)	1910.....	137,284	884,432	(1)
1897.....	(1)	(1)	(1)	1911.....	137,854	755,999	(1)
1898.....	547,000	(1)	(1)	1912.....	113,834	482,168	(1)
1899.....	579,400	(1)	(1)	1913.....	107,156	490,870	15,100
1900.....	577,280	(1)	(1)	1914.....	105,413	463,744	16,444
1901.....	553,060	(1)	(1)	1915.....	107,968	454,011	12,463
1902.....	587,000	(1)	(1)	1916.....	130,349	632,839	13,770
1903.....	598,100	(1)	(1)	1917.....	128,251	844,923	13,058
1904.....	598,100	(1)	(1)	1918.....	117,387	800,430	7,750
1905.....	* 638,100	(1)	(1)	1919.....	70,302	556,753	14,350
1906.....	193,100	(1)	(1)	1920.....	83,064	396,929	14,350
1907.....	193,100	(1)	(1)				

¹ No data available.

² Figures given from 1894 to 1905, inclusive, probably included a part of the commerce of Fall River Harbor as well as that of Taunton River, Mass.

[Navigation season, the entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals.....			29,822		\$313,502	Miles.	Cents.
Coal, anthracite.....	16,580			\$201,546		192	1.069
Coal, bituminous.....	5,386			50,848		195	1.077
Molding sand.....	3,000			12,450		340	.809
Cement.....		111		2,428		192	2.325
Fire clay.....	4,745			46,230		289	1.204
Total.....	29,711	111	29,822		313,502		
RECEIPTS, INTRAPORT.							
Animals and animal products.....			355		4,435		
Seed oysters.....	305			4,075		35	(1)
Oyster shells.....	30			360		35	6.250
Nonmetallic minerals.....			52,344		573,632		
Coal, anthracite.....	487			2,736		16	2.580
Coal, bituminous.....	41,459			438,818		16	2.580
Fuel oil.....	10,000			130,000		41	.696
Fire clay.....	398			2,078		15	8.333
Total.....	52,679		52,679		578,067		
SHIPMENTS, INTRAPORT.							
Wood and paper: Piles.....	563		563	5,360	5,360	30	4.997
Total receipts and shipments, intraport	53,242		53,242		583,427		

SUMMARY.

Class of commodities.	Domestic.					
	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....			335	\$4,435	335	\$4,435
Wood and paper.....			563	5,360	563	5,360
Nonmetallic minerals.....	29,822	\$313,502	52,344	573,632	82,166	887,134
Total.....	29,822	313,502	53,242	583,427	83,064	896,929

Vessel classification, 1920.

Classes.	Arrivals and de-partures.	Net reg-istered tonnage.	Passen-gers.
Registered:			
Steamers.....	373	12,097	150
Sailing.....	35	2,324	
Barges.....	126	40,796	
Unregistered:			
Steamers, small launches.....	4,000	11,200	13,000
Sailing, small sailboats.....	400	600	1,200
Barges.....	32	5,710	
Total.....	4,966	72,727	14,350

The numbers and maximum drafts (so far as ascertainable) of the various classes of vessels are:

"Registered steamers"—1 excursion steamer, 7 feet; 11 excursion motor launches; 52 motor-driven freight boats and lighters, 5 feet; and 309 tugs, 8 feet.

"Registered sailing"—35 freight schooners, 8 feet.

"Registered barges"—124 coal barges and lighters, 9 feet; 2 barges with cement.

"Unregistered barges"—26 oil barges, 6 lighters.

In addition to the above one Government vessel of 352 gross tons is reported as having been on the river.

NEWPORT HARBOR, R. I.

Comparative statement of traffic, 1920.

Year.	Receipts and shipments.			Ferry.			In transit.		
	Tons.	Value.	Passen-gers.	Tons.	Value.	Passen-gers.	Tons.	Value.	Passen-gers.
1893.....	128,870								
1894.....	118,665								
1895.....	347,151								
1896.....	413,880								
1897.....	434,900								
1898.....	446,230								
1899.....	462,100								
1900.....	497,940								
1901.....	363,000								
1902.....	363,595								
1903.....	494,975								
1904.....	1,561,375								
1905.....	1,770,816								
1906.....	1,920,390								
1907.....	2,106,500								
1908.....	200,530								
1909.....	239,024								
1910.....	227,176								
1911.....	247,097								
1912.....	243,518								
1913.....	220,435	\$6,606,097							
1914.....	245,928	7,845,781							
1915.....	223,174	5,761,963							
1916.....	332,610	6,914,907							
1917.....	204,701	7,130,139	819,914						
1918.....	200,945	12,818,296	258,976	38,571	(1)	463,000	(1)	(1)	(1)
1919.....	146,514	18,537,163	228,995	39,011	(1)	500,000	346,611	\$227,991,101	258,831
1920.....	150,371	16,981,693	203,806	69,185	\$11,307,770	598,362	163,573	89,315,421	292,561

¹ No data available.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products.....			1,536		\$451,992	Miles.	Cents.
Fish.....		836		\$101,992		25	10.000
Live stock.....		700		350,000		25	14.400
Wood and paper: Cordwood.....	239		239	1,625	1,625	75	2.092
Nonmetallic minerals.....			97,863		2,404,064		
Coal, anthracite.....	72,548			825,168		166	1.099
Gasoline.....	22,433			1,553,475		160	(*)
Illuminating oil.....	288			11,441		160	(*)
Crushed trap rock.....	1,180			2,533		100	(*)
Granite curbing.....	200			3,725		100	(*)
Culls.....	210			3,234		100	(*)
Stone.....	1,004			4,518		124	1.613
Chemicals: Fertilizer.....		230	230	13,800	13,800	44	(*)
Unclassified: Merchandise.....		9,737	9,737	4,868,500	4,868,500	159	6.604
Total.....	98,102	11,503	109,605		7,740,011		
SHIPMENTS, COASTWISE.							
Animals and animal products.....			236		103,750		
Live stock.....		200		100,000		25	14.400
Fish.....	36			3,750		160	(*)
Unclassified: Merchandise.....		7,722	7,722	3,847,400	3,847,400	150	6.680
Total.....	36	7,922	7,958		3,951,150		
Total receipts and shipments, coastwise.....	98,138	19,425	117,563		11,691,161		
RECEIPTS, INTRAPORT.							
Wood and paper.....			798		22,932		
Piles.....	253			5,630		30	11.120
Lumber.....	300			15,881		13	15.232
Cordwood.....	245			1,421		14	10.704
Nonmetallic minerals.....			9,968		336,765		
Coke.....	134			1,742		16	12.084
Gasoline.....	2,416			99,237		25	(*)
Fuel oil.....	1,217			8,525		25	(*)
Illuminating oil.....	3,739			94,161		25	(*)
Oil, unclassified.....	2,462			133,100		25	(*)
Unclassified: Merchandise.....		7,305	7,305	3,652,500	3,652,500	25	13.160
Total.....	10,766	7,305	18,071		4,012,197		
SHIPMENTS, INTRAPORT.							
Animals and animal products: Oysters.....		373	373	6,918	6,918	11	(*)
Nonmetallic minerals: Oil, unclassified.....	19		19	950	950	25	(*)
Unclassified: Merchandise.....		1,305	1,305	522,000	522,000	25	13.392
Total.....	19	1,678	1,697		529,868		
Total shipments and receipts, intraport.....	10,785	8,983	19,768		4,542,065		

1 Approximate.

2 In shipper's or consignee's vessels; no data.

3 No data available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products			2,484		\$292,527	Miles.	Cents.
Fish	1,870			\$201,259		10	(8)
Oysters	373			6,918		(1)	(8)
Lobsters	241			84,350		(1)	(1)
Nonmetallic minerals			3,520		7,040		
Sand	1,230			2,560			
Gravel	2,240			4,480			
Total	6,004		6,004		299,567		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals			7,300		94,900		
Coal, anthracite	3,704			48,152		2	
Coal, bituminous	3,596			46,748		3	
Chemicals, explosives		236	236	354,000	354,000	3	
Total	7,300	236	7,536		448,900		
Total receipts and shipments, internal	13,304	236	13,540		748,467		
FERRY.							
Animals and animal products			625		368,200		
Live stock		18		5,400			
Meats, etc		7		2,800			
Dairy products		600		360,000			
Vegetable food products			1,000		84,505		
Grains		562		39,340			
Feed		264		15,840			
Vegetables		86		17,200			
Fruits		26		4,680			
Oil seeds		5		945			
Coffee		6		2,100			
Sugar		9		2,700			
Beverages		42		1,700			
Other vegetable products			490		217,100		
Naval stores		462		184,800			
Bulbs		3		22,000			
Unclassified		25		10,300			
Wood and paper, lumber		573	573	19,000		19,000	
Nonmetallic minerals			46,245		601,405		
Coal, anthracite	22,000			308,000			
Coal, bituminous	24,000			288,000			
Coke			8		104		
Petroleum products	63			3,650			
Lubricating oil	4			520			
Asphalt	8			200			
Stone	162			931			
Ores, metals and manufactures of, iron and steel	116		116	5,800	5,800		
Machinery and vehicles, teams and automobiles	20,000		20,000	10,000,000	10,000,000		
Chemicals			136		11,760		
Paints	15			4,500			
Fertilizer	121			7,260			
Total		69,185	69,185	11,307,770			

¹ No data available.

² In shipper's or consignee's vessels; no data.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
CARGOES IN TRANSIT.							
Animals and animal products.....			37		\$28,550	Miles.	Cents.
Vegetable food products.....			18		1,155		
Wood and paper.....			112		6,160		
Nonmetallic minerals.....			154		2,414		
Unclassified merchandise.....			163,252		89,277,142		
Total cargoes in transit.....			163,573		89,315,421		

SUMMARY.

Classes of commodities.	Domestic.					
	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	1,772	\$555,742	2,857	\$299,445	4,629	\$855,187
Wood and paper.....	239	1,625	798	22,932	1,037	24,557
Nonmetallic minerals.....	97,863	2,404,094	20,807	439,655	118,670	2,843,749
Chemicals.....	230	13,800	236	354,000	466	367,800
Unclassified.....	17,459	8,715,900	8,610	4,174,500	26,069	12,890,400
Total	117,563	11,691,161	33,308	5,290,532	150,871	16,981,693

In addition to the above, 131,587 net tons of stores and supplies, valued at \$1,486,848, were received by the United States Navy and 1,528 net tons of stores and supplies, valued at \$394,913, were received by the United States Army posts in the harbor of Newport during the calendar year.

ADDITIONAL TRAFFIC.

	Short tons.	Value.
Ferry.....	69,185	\$11,307,770
Cargoes in transit.....	163,573	89,315,421

Vessel classification, 1920.

Classes.	Total arrivals and departures.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	10, 163	3, 206, 560	694, 376
Sailing.....	1 48	2, 320	200
Barges.....	1 106	44, 963	.....
Unregistered:			
Steamers.....	1 3, 632	12, 801	9, 000
Sailing (small yachts and catboats).....	1 1, 200	3, 600	6, 000
Barges.....	50	6, 441	.....
Total.....	15, 199	3, 276, 685	709, 576

¹ Data incomplete.

The numbers and maximum draft (so far as ascertainable) of the various classes of vessels are:

"Registered steamers"—1,215 steamers on regular transportation lines, 14.5 feet; 6,770 ferry boats, 10 feet; 3 freight steamers, 11 feet; 390 tugs; 35 oyster steamers, 4 feet; 720 fishing steamers, 8 feet; 50 steam yachts, 14 feet; 123 motor lighters, 4 feet; 11 motor-driven oil tanks, 15.8 feet; 10 motor-driven oyster boats; 756 motor fishing boats, and 80 motor yachts.

"Registered sailing"—8 freight schooners and 40 yachts.

"Registered barges"—101 coal barges, 14 feet; 5 tank barges, 14.7 feet.

"Unregistered steamers"—362 motor fishing boats; estimated 3,000 motor pleasure launches.

"Unregistered barges"—44 sand scows and 6 lighters.

In addition to the above, approximately 23,000 trips in the harbor were made by the Government ferry steamers to and from the Army and Navy posts, 176 vessels of the United States Navy, aggregating 523,041 tons displacement, 15 naval colliers, 1 commercial collier, and 3 commercial oil barges with Government stores entered the harbor during the calendar year, and a large number of craft used it as a harbor of refuge.

PROVIDENCE RIVER AND HARBOR, R. I.

Comparative statement of traffic.

Year.	To and from Providence.			In transit.		
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.
1895.....	1, 753, 000	(1)	(1)	(1)	(1)	(1)
1896.....	1, 600, 950	(1)	(1)	(1)	(1)	(1)
1897.....	2, 152, 975	(1)	(1)	(1)	(1)	(1)
1898.....	(1)	(1)	(1)	(1)	(1)	(1)
1899.....	2, 823, 308	(1)	(1)	(1)	(1)	(1)
1900.....	2, 016, 582	(1)	(1)	(1)	(1)	(1)
1901.....	2, 866, 019	(1)	(1)	(1)	(1)	(1)
1902.....	2, 739, 000	(1)	(1)	(1)	(1)	(1)
1903.....	2, 640, 006	(1)	(1)	(1)	(1)	(1)
1904.....	2, 529, 173	(1)	(1)	(1)	(1)	(1)
1905.....	3, 244, 248	(1)	(1)	(1)	(1)	(1)
1906.....	3, 086, 003	(1)	(1)	(1)	(1)	(1)
1907.....	3, 034, 471	(1)	(1)	(1)	(1)	(1)
1908.....	2, 957, 204	89, 825, 563	821, 970	422, 370	3, 843, 932	49, 314
1909.....	3, 339, 727	100, 615, 566	796, 917	475, 255	5, 525, 994	56, 931
1910.....	3, 595, 056	106, 200, 881	753, 283	514, 776	6, 339, 819	58, 907
1911.....	3, 379, 233	96, 932, 998	773, 773	508, 625	6, 380, 723	60, 410
1912.....	3, 963, 208	112, 741, 435	779, 406	622, 156	6, 211, 250	53, 433
1913.....	4, 019, 048	104, 950, 631	1, 019, 943	520, 757	6, 196, 134	66, 884
1914.....	3, 627, 097	247, 445, 654	898, 129	412	6, 568, 854	52, 238
1915.....	3, 281, 184	284, 976, 482	870, 414	482	5, 677, 578	50, 810
1916.....	3, 711, 777	405, 108, 086	847, 286	482	10, 856, 718	56, 981
1917.....	3, 406, 224	375, 063, 200	847, 286	482	12, 548, 054	26, 985
1918.....	3, 540, 981	333, 329, 200	847, 286	482	7, 924, 429	16, 236
1919.....	2, 809, 026	424, 986, 200	847, 286	482	5, 677, 578	17, 732
1920.....	3, 961, 969	588, 607, 200	847, 286	482	.....	(1)

¹ No data available.² Exclusive of 149,884

local.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
CARGOES IN TRANSIT.							
Animals and animal products.....			37		\$23, 550	Miles.	Cents.
Vegetable food products.....			18		1, 155		
Wood and paper.....			112		6, 160		
Nonmetallic minerals.....			154		2, 414		
Unclassified merchandise.....			163, 252		89, 277, 142		
Total cargoes in transit.....			163, 573		89, 315, 421		

SUMMARY.

Classes of commodities.	Domestic.					
	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	1, 772	\$555, 742	2, 857	\$299, 445	4, 629	\$855, 187
Wood and paper.....	239	1, 625	798	22, 932	1, 037	24, 557
Nonmetallic minerals.....	97, 863	2, 404, 094	20, 807	439, 655	118, 670	2, 843, 749
Chemicals.....	230	13, 800	236	354, 000	466	367, 800
Unclassified.....	17, 459	8, 715, 900	8, 610	4, 174, 500	26, 069	12, 890, 400
Total.....	117, 563	11, 691, 161	33, 308	5, 290, 532	150, 871	16, 981, 693

In addition to the above, 131,587 net tons of stores and supplies, valued at \$1,486,848, were received by the United States Navy and 1,528 net tons of stores and supplies, valued at \$394,913, were received by the United States Army posts in the harbor of Newport during the calendar year.

ADDITIONAL TRAFFIC.

	Short tons.	Value.
Ferry.....	69, 185	\$11, 307, 770
Cargoes in transit.....	163, 573	89, 315, 421

Vessel classification, 1920.

Classes.	Total arrivals and departures.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	10,163	3,208,560	694,376
Sailing.....	1 48	2,320	200
Barges.....	1 106	44,963	.....
Unregistered:			
Steamers.....	1 3,632	12,801	9,000
Sailing (small yachts and catboats).....	1 1,200	3,600	6,000
Barges.....	50	6,441	.....
Total.....	15,199	3,276,685	709,576

¹ Data incomplete.

The numbers and maximum draft (so far as ascertainable) of the various classes of vessels are:

"Registered steamers"—1,215 steamers on regular transportation lines, 14.5 feet; 6,770 ferry boats, 10 feet; 3 freight steamers, 11 feet; 390 tugs; 35 oyster steamers, 4 feet; 720 fishing steamers, 8 feet; 50 steam yachts, 14 feet; 123 motor lighters, 4 feet; 11 motor-driven oil tanks, 15.8 feet; 10 motor-driven oyster boats; 756 motor fishing boats, and 80 motor yachts.

"Registered sailing"—8 freight schooners and 40 yachts.

"Registered barges"—101 coal barges, 14 feet; 5 tank barges, 14.7 feet.

"Unregistered steamers"—362 motor fishing boats; estimated 3,000 motor pleasure launches.

"Unregistered barges"—44 sand scows and 6 lighters.

In addition to the above, approximately 23,000 trips in the harbor were made by the Government ferry steamers to and from the Army and Navy postal, 176 vessels of the United States Navy, aggregating 523,041 tons displacement, 15 naval colliers, 1 commercial collier, and 3 commercial oil barges with Government stores entered the harbor during the calendar year, and a large number of craft used it as a harbor of refuge.

PROVIDENCE RIVER AND HARBOR, R. I.

Comparative statement of traffic.

Year.	To and from Providence.			In transit.		
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.
1895.....	1,753,000	()	()	()	()	()
1896.....	1,600,950	()	()	()	()	()
1897.....	2,152,975	()	()	()	()	()
1898.....	()	()	()	()	()	()
1899.....	2,823,308	()	()	()	()	()
1900.....	2,016,582	()	()	()	()	()
1901.....	2,866,019	()	()	()	()	()
1902.....	2,739,000	()	()	()	()	()
1903.....	2,640,006	()	()	()	()	()
1904.....	2,529,173	()	()	()	()	()
1905.....	3,244,248	()	()	()	()	()
1906.....	3,086,003	()	()	()	()	()
1907.....	3,054,471	()	()	()	()	()
1908.....	2,957,304	89,825,563	821,970	422,370	3,543,932	49,314
1909.....	3,339,727	100,615,566	796,917	475,255	5,525,994	56,931
1910.....	3,593,086	106,200,881	753,283	514,776	6,339,819	58,907
1911.....	3,379,233	96,932,998	773,773	508,625	6,380,723	60,410
1912.....	3,963,308	112,741,435	779,409	622,156	6,211,250	53,433
1913.....	4,019,048	104,950,631	1,019,943	520,757	6,196,134	66,884
1914.....	3,627,997	247,445,654	898,120	477,312	6,568,854	52,238
1915.....	3,281,184	284,976,432	876,414	458,362	5,677,878	50,310
1916.....	3,711,777	405,108,089	847,205	510,614	10,550,718	56,981
1917.....	3,406,224	375,063,228	552,108	490,594	12,548,054	26,985
1918.....	3,540,081	333,359,903	294,374	465,370	7,924,429	16,225
1919.....	2,809,026	424,886,097	368,005	336,832	12,934,557	17,722
1920.....	¹ 3,961,669	² 588,507,699	423,359	263,469	38,253,369	()

¹ No data available.

² Exclusive of 149,884 tons, valued at \$844,141, traffic across river and local.

Freight traffic, 1920.

FOREIGN.

[Navigation season, the entire year.]

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animal products: Skins and hides	16	16	\$13,060	\$13,060
Vegetable food products.....		8		4,800
Garlic.....	1		200	
Coffee.....	1		600	
Dried fruits.....	4		2,400	
Walnuts.....	2		1,600	
Other vegetable products.....		12		10,527
Gum gatto.....	11		9,077	
Tobacco.....	1		1,450	
Textiles.....		69		5,086
Cotton yarns.....	1		3,725	
Old cotton fabric.....	68		1,360	
Wood and paper: Spruce sawed lumber.....	572	572	24,676	24,676
Nonmetallic minerals.....		586,697		8,607,472
Fuel oil.....	582,731		8,544,934	
Salt.....	3,928		60,904	
Witherite.....	38		1,634	
Manufactures of metals: Tool steel.....	4	4	1,850	1,850
Machinery and vehicles.....		69		92,800
Machine tools.....	6		16,260	
Cotton spinning machinery.....	55		55,000	
Machinery (unclassified).....	8		21,600	
Total.....		587,447		8,760,330
EXPORTS.				
Animal products: Sole leather.....	124	124	124,310	124,310
Nonmetallic minerals: Petroleum products.....	1,459	1,459	72,950	72,950
Manufactures of metals.....		31		13,300
Annealed wire.....	30		12,000	
Tools.....	1		1,300	
Machinery and vehicles: Automobiles.....	5	5	9,000	9,000
Total.....		1,619		219,560
Total imports and exports.....		589,066		8,979,890

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products.....			593		\$371,800	Miles.	Cents.
Oils and greases.....		342		\$171,000		427	3.801
Hides and skins.....		251		200,800		480	3.750
Vegetable food products.....			5,310		1,619,845		
Grains, etc.....		275		26,000		282	4.044
Vegetables.....		741		44,025		400	4.040
Fruits, nuts, etc.....		311		124,400		480	3.750
Vegetable oils and fats.....		141		42,300		480	3.750
Sugar.....		3,842		1,383,120		180	4.444

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—CON.						<i>Miles.</i>	<i>Cents.</i>
Other vegetable products.....			4, 110		\$2, 902, 616		
Rubber.....		2, 302		\$766, 586		180	4. 444
Drugs, crude.....		15		4, 500		480	3. 750
Dyes, etc.....		118		29, 500		180	4. 444
Tobacco.....		1, 433		2, 077, 850		480	3. 750
Miscellaneous vegetable products.....		242		24, 200		180	4. 444
Textiles.....			60, 839		104, 788, 979		
Cotton.....		13, 889		10, 703, 979		276	4. 058
Wool.....		30		45, 000		480	3. 750
Miscellaneous textile products.....		47, 020		94, 040, 000		437	3. 791
Wood and paper.....			15, 827		811, 025		
Lumber.....	15, 271	25		525, 525		1, 059	0. 918
Paper.....		531		285, 500		480	3. 750
Nonmetallic minerals.....			2, 369, 541		31, 730, 278		
Coal, anthracite.....	274, 235			2, 635, 898		192	0. 732
Coal, bituminous.....	1, 378, 571			12, 946, 038		415	0. 500
Gasoline.....	166, 694			7, 823, 065		2, 220	0. 0026
Gas and fuel oil.....	415, 761			4, 132, 327		2, 134	(¹)
Illuminating oil.....	47, 041			2, 051, 539		511	0. 0026
Lubricating oil.....	5, 719	3, 630		1, 020, 372		1, 530	0. 0031
Asphalts.....	2, 448			48, 980		2, 402	0. 0026
Unclassified.....	12, 379			657, 343		343	(¹)
Stone.....	28, 849			166, 650		135	0. 494
Sand.....	28, 616			171, 926		225	1. 000
Plaster.....		2, 192		39, 900		191	1. 836
Clay.....	1, 388			11, 451		225	1. 000
Bricks.....	2, 018			24, 809		98	1. 662
Ores, metals and manufactures of.....			43, 668		3, 231, 446		
Pig iron.....	38, 069			1, 561, 846		786	0. 534
Wrought iron and steel.....	101			20, 200		480	3. 750
Other ores, metals and manufactures of.....		5, 498		1, 649, 400		229	4. 206
Machinery and vehicles: Miscellaneous machinery.....		993	993	595, 800	595, 800	208	4. 239
Chemicals.....	14, 300	10, 397	24, 894	1, 389, 200	1, 428, 200	197	1. 565
Miscellaneous chemical products.....		197		39, 000		180	1. 972
Unclassified merchandise.....		135, 088	135, 088	168, 859, 000	168, 859, 000	202	4. 916
Total.....	2, 431, 460	229, 503	2, 660, 963		316, 338, 989		
SHIPMENTS, COASTWISE.							
Animals and animal products.....			3, 263		2, 494, 280		
Meats, poultry, eggs.....		1, 368		684, 000		480	3. 750
Fish.....		48		17, 280		480	3. 750
Oils and greases.....		90		36, 000		180	4. 444
Leather and manufactures of.....		1, 757		1, 757, 000		480	3. 750
Vegetable food products: Unclassified.....		2, 363	2, 363	472, 000	472, 000	180	4. 444
Other vegetable products: Rubber and manufactures of.....			3, 141		1, 029, 788		
Dyeing and tanning material.....		2, 866		961, 038		480	3. 750
Textiles.....			25, 683		50, 842, 360		
Cotton.....		426		328, 380		180	3. 358
Miscellaneous textile products.....		25, 257		50, 514, 000		344	3. 915

¹ No data available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
LOCAL.							
Nonmetallic minerals: Fuel oil.....	669	.....	669	\$10,421	\$10,421	Miles.	Cents.
CARGOES IN TRANSIT.							
Animals and animal products.....			335		4,435		
Seed oysters.....	305			4,075			
Oyster shells.....	30			360			
Wood and paper: Piles.....	563		563	5,360	5,360		
Nonmetallic minerals.....			39,822		443,502		
Coal, anthracite.....	16,580			201,546			
Coal, bituminous.....	5,386			50,848			
Fuel oil.....	10,000			130,000			
Molding sand.....	3,000			12,450			
Cement.....		111		2,428			
Fire clay.....	4,745			46,230			
Total in transit.....	40,609	111	40,720		453,297		

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.					
			Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....			24	\$2,343	104	\$17,703	128	\$20,046
Vegetable food products.....					50	5,000	50	5,000
Other vegetable products.....					50	10,000	50	10,000
Textiles.....			9,380	7,232,076	25,000	19,250,000	34,380	26,482,076
Wood and paper.....	1,087	\$40,105	5,324	197,503	320	38,852	6,731	276,460
Nonmetallic minerals.....	56,886	705,599	627,222	5,793,257	94,371	1,837,800	778,479	8,336,656
Ores, metals and manufactures.....			577	41,818	1,600	160,000	2,177	201,818
Machinery and vehicles.....			116	47,651	211	24,500	327	72,151
Chemicals.....			15	4,639	130	26,000	145	30,639
Unclassified.....			244,649	135,315,400			244,649	135,315,400
Total.....	57,973	745,704	887,307	148,634,687	121,836	21,369,855	1,067,116	170,750,246

CARGOES IN TRANSIT.

Short tons.....	40,720
Value.....	\$453,297

Vessel classification, 1920.

Classes.	Total arrivals and departures.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	2,415	1,701,197	334,400
Sailing.....	88	7,698	
Barges.....	486	307,067	
Unregistered:			
Steamers.....	7,050	25,276	13,000
Sail—small boats.....	700	2,000	3,800
Barges.....	115	18,610	
Total.....	10,854	2,061,348	351,200

The numbers and maximum drafts (so far as ascertainable) of the various classes of vessels are:

“Registered steamers”—1,223 passenger and freight steamers on regular transportation lines, 15 feet; 8 steam colliers, 25 feet; 7 steam tankers, 26 feet; 11 motor-driven tankers, 15.8 feet; 2 excursion steamers, 7 feet; 150 excursion motor launches, 5 feet; 40 motor driven freight boats and lighters, 5 feet; and 972 tugs, 18 feet.

“Registered sailing”—10 lumber schooners, 13 feet; 36 schooners with fire clay, 8 feet; 32 schooners with sand, 8 feet; and 10 schooners with miscellaneous cargoes, 14 feet.

“Registered barges”—445 coal barges, 22 feet; 17 tank barges, 14.5 feet; 3 lumber barges, 14 feet; 5 barges with crushed stone, 12 feet; and 16 barges with miscellaneous cargoes.

“Unregistered steamers”—50 motor fishing boats and 7,000 (estimated) motor pleasure craft.

“Unregistered barges”—57 tank barges, 18 lighters, 40 nondescript scows.

In addition to the above, 14 entries and departures of Government vessels with an aggregate displacement of 16,980 tons are reported, and 336 scow loads of dredgings were handled through the harbor.

During the calendar year, one auxiliary schooner yacht, 66 feet overall, and one steam lighter, 107.5 feet overall, were built and launched by the Crowninshield Shipbuilding Co. on the west side of the harbor.

TAUNTON RIVER, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894.....	477,050	\$6,545,000	(1)	1908.....	74,323	\$350,008	(1)
1895.....	500,903	(1)	(1)	1909.....	126,509	523,045	(1)
1896.....	500,000	(1)	(1)	1910.....	137,284	884,432	(1)
1897.....	(1)	(1)	(1)	1911.....	137,854	755,999	(1)
1898.....	547,000	(1)	(1)	1912.....	113,834	482,168	(1)
1899.....	579,400	(1)	(1)	1913.....	107,156	490,870	15,100
1900.....	577,280	(1)	(1)	1914.....	106,413	463,744	16,444
1901.....	553,050	(1)	(1)	1915.....	107,968	454,011	12,463
1902.....	587,000	(1)	(1)	1916.....	139,349	632,839	13,770
1903.....	588,100	(1)	(1)	1917.....	128,251	844,923	13,058
1904.....	588,100	(1)	(1)	1918.....	117,387	800,430	7,750
1905.....	* 638,100	(1)	(1)	1919.....	70,302	556,753	14,350
1906.....	193,100	(1)	(1)	1920.....	83,064	896,929	14,350
1907.....	193,100	(1)	(1)				

¹ No data available.

² Figures given from 1894 to 1905, inclusive, probably included a part of the commerce of Fall River Harbor as well as that of Taunton River, Mass.

[Navigation season, the entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals			29,822		\$313,502		
Coal, anthracite	16,580			\$201,546		192	1.069
Coal, bituminous	5,386			50,848		195	1.077
Molding sand	3,000			12,450		340	.809
Cement		111		2,428		192	2.325
Fire clay	4,745			46,230		289	1.204
Total	29,711	111	29,822		313,502		
RECEIPTS, INTRAPORT.							
Animals and animal products			355		4,435		
Seed oysters	305			4,075		35	(1)
Oyster shells	30			360		35	6.250
Nonmetallic minerals	487		52,344	2,736	573,632		
Coal, anthracite	41,459			438,818		16	2.580
Coal, bituminous	10,000			130,000		16	2.580
Fuel oil				2,078		41	.696
Fire clay	398					15	8.333
Total	52,679		52,679		578,067		
SHIPMENTS, INTRAPORT.							
Wood and paper: Piles	563		563	5,360	5,360	30	4.997
Total receipts and shipments intraport	53,242		53,242		583,427		

SUMMARY.

Class of commodities.	Domestic.					
	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			335	\$4,435	335	\$4,435
Wood and paper			563	5,360	563	5,360
Nonmetallic minerals	29,822	\$313,502	52,344	573,632	82,166	887,134
Total	29,822	313,502	53,242	583,427	83,064	896,929

Vessel classification, 1920.

Classes.	Arrivals and departures.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	373	12,097	150
Sailing.....	35	2,324	.....
Barges.....	126	40,796	.....
Unregistered:			
Steamers, small launches.....	4,000	11,200	13,000
Sailing, small sailboats.....	400	600	1,200
Barges.....	32	5,710	.....
Total.....	4,966	72,727	14,350

The numbers and maximum drafts (so far as ascertainable) of the various classes of vessels are:

"Registered steamers"—1 excursion steamer, 7 feet; 11 excursion motor launches; 52 motor-driven freight boats and lighters, 5 feet; and 309 tugs, 8 feet.

"Registered sailing"—35 freight schooners, 8 feet.

"Registered barges"—124 coal barges and lighters, 9 feet; 2 barges with cement.

"Unregistered barges"—26 oil barges, 6 lighters.

In addition to the above one Government vessel of 352 gross tons is reported as having been on the river.

NEWPORT HARBOR, R. I.

Comparative statement of traffic, 1920.

Year.	Receipts and shipments.			Ferry.			In transit.		
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.
1893.....	128,870								
1894.....	118,665								
1895.....	347,151								
1896.....	413,880								
1897.....	431,900								
1898.....	446,230								
1899.....	462,100								
1900.....	497,940								
1901.....	363,090								
1902.....	363,395								
1903.....	494,975								
1904.....	1,561,375								
1905.....	1,770,816								
1906.....	1,929,380								
1907.....	2,106,590								
1908.....	200,530								
1909.....	229,924								
1910.....	227,176								
1911.....	247,697								
1912.....	243,518								
1913.....	229,435	\$6,606,097							
1914.....	245,928	7,845,781							
1915.....	223,174	5,761,963							
1916.....	332,610	6,914,907							
1917.....	204,701	7,139,139	819,914						
1918.....	200,645	12,818,296	258,976	38,571	(1)	463,000	(1)	(1)	(1)
1919.....	146,514	18,537,163	228,995	39,011	(1)	500,000	346,611	\$227,991,101	258,831
1920.....	150,871	16,981,093	203,806	69,185	\$11,307,770	598,362	163,573	89,315,421	292,561

¹ No data available.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products.....			1,536		\$451,992	Miles.	Cents.
Fish.....		836		\$101,992		25	10.000
Live stock.....		700		350,000		25	14.400
Wood and paper: Cordwood.....	239		239	1,625	1,625	75	2.002
Nonmetallic minerals.....			97,863		2,404,094		
Coal, anthracite.....	72,548			825,168		166	1.099
Gasoline.....	22,433			1,553,475		160	(?)
Illuminating oil.....	288			11,441		160	(?)
Crushed trap rock.....	1,180			2,533		100	(?)
Granite curbing.....	200			3,725		100	(?)
Culls.....	210			3,284		100	(?)
Stone.....	1,004			4,518		124	1.613
Chemicals: Fertilizer.....		230	230	13,800	13,800	44	(?)
Unclassified: Merchandise.....		9,737	9,737	4,868,500	4,868,500	159	6.004
Total.....	98,102	11,503	109,605		7,740,011		
SHIPMENTS, COASTWISE.							
Animals and animal products.....			236		103,750		
Live stock.....		200		100,000		25	14.400
Fish.....	36			3,750		160	(?)
Unclassified: Merchandise.....		7,722	7,722	3,847,400	3,847,400	150	6.680
Total.....	36	7,922	7,958		3,951,150		
Total receipts and shipments, coastwise.....	98,138	19,425	117,563		11,691,161		
RECEIPTS, INTRAPORT.							
Wood and paper.....			798		22,932		
Piles.....	253			5,630		30	11.120
Lumber.....	300			15,881		13	15.282
Cordwood.....	245			1,421		14	10.704
Nonmetallic minerals.....			9,968		336,765		
Coke.....	134			1,742		16	12.084
Gasoline.....	2,416			99,237		25	(?)
Fuel oil.....	1,217			8,525		25	(?)
Illuminating oil.....	3,739			94,161		25	(?)
Oil, unclassified.....	2,462			133,100		25	(?)
Unclassified: Merchandise.....		7,305	7,305	3,652,500	3,652,500	25	13.100
Total.....	10,766	7,305	18,071		4,012,197		
SHIPMENTS, INTRAPORT.							
Animals and animal products: Oysters.....		373	373	6,918	6,918	11	(?)
Nonmetallic minerals: Oil, unclassified.....	19		19	950	950	25	(?)
Unclassified: Merchandise.....		1,305	1,305	522,000	522,000	25	13.392
Total.....	19	1,678	1,697		529,868		
Total shipments and receipts, intraport.....	10,785	8,983	19,768		4,542,065		

¹ Approximate.² In shipper's or consignee's vessels; no data.³ No data available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products			2,484		\$292,527	Miles.	Cents.
Fish	1,870			\$201,259		10	(8)
Oysters	373			6,918		(1)	(8)
Lobsters	241			84,350		(1)	(1)
Nonmetallic minerals			3,520		7,040		
Sand	1,280			2,560			
Gravel	2,240			4,480			
Total	6,004		6,004		299,567		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals			7,300		94,900		
Coal, anthracite	3,704			48,152		2	
Coal, bituminous	3,596			46,748		3	
Chemicals, explosives		236	236	354,000	354,000	3	
Total	7,300	236	7,536		448,900		
Total receipts and shipments, internal	13,304	236	13,540		748,467		
FERRY.							
Animals and animal products			625		368,200		
Live stock		18		5,400			
Meats, etc		7		2,800			
Dairy products		600		360,000			
Vegetable food products			1,000		84,505		
Grains		562		39,340			
Feed		264		15,840			
Vegetables		86		17,200			
Fruits		26		4,680			
Oil seeds		5		945			
Coffee		6		2,100			
Sugar		9		2,700			
Beverages		42		1,700			
Other vegetable products			490		217,100		
Naval stores		462		184,800			
Bulbs		3		22,000			
Unclassified		25		10,300			
Wood and paper, lumber		573	573	19,000	19,000		
Nonmetallic minerals			46,245		601,405		
Coal, anthracite	22,000			308,000			
Coal, bituminous	24,000			288,000			
Coke			8		104		
Petroleum products	63			3,650			
Lubricating oil	4			520			
Asphalt	8			200			
Stone	162			931			
Ores, metals and manufactures of, iron and steel	116		116	5,800	5,800		
Machinery and vehicles, teams and automobiles	20,000		20,000	10,000,000	10,000,000		
Chemicals			136		11,760		
Paints	15			4,500			
Fertilizer	121			7,260			
Total		69,185	69,185	11,307,770			

¹ No data available.² In shipper's or consignee's vessels; no data.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
CARGOES IN TRANSIT.							
Animals and animal products.....			37		\$28,550	Miles.	Cents.
Vegetable food products.....			18		1,155		
Wood and paper.....			112		6,160		
Nonmetallic minerals.....			154		2,414		
Unclassified merchandise.....			163,252		89,277,142		
Total cargoes in transit.....			163,573		89,315,421		

SUMMARY.

Classes of commodities.	Domestic.					
	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	1,772	\$555,742	2,857	\$299,445	4,629	\$855,187
Wood and paper.....	239	1,625	798	22,932	1,037	24,557
Nonmetallic minerals.....	97,863	2,404,094	20,807	439,655	118,670	2,843,749
Chemicals.....	230	13,800	236	354,000	466	367,800
Unclassified.....	17,459	8,715,900	8,610	4,174,500	26,069	12,890,400
Total.....	117,563	11,691,161	33,308	5,290,532	150,871	16,981,693

In addition to the above, 131,587 net tons of stores and supplies, valued at \$1,486,848, were received by the United States Navy and 1,528 net tons of stores and supplies, valued at \$394,913, were received by the United States Army posts in the harbor of Newport during the calendar year.

ADDITIONAL TRAFFIC.

	Short tons.	Value.
Ferry.....	69,185	\$11,307,770
Cargoes in transit.....	163,573	89,315,421

Vessel classification, 1920.

Classes.	Total arrivals and departures.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	10,163	3,206,560	694,376
Sailing.....	148	2,320	200
Barges.....	106	44,963	.....
Unregistered:			
Steamers.....	13,632	12,801	9,000
Sailing (small yachts and catboats).....	1,200	3,600	6,000
Barges.....	50	6,441	.....
Total.....	15,199	3,276,685	709,576

¹ Data incomplete.

The numbers and maximum draft (so far as ascertainable) of the various classes of vessels are:

"Registered steamers"—1,215 steamers on regular transportation lines, 14.5 feet; 6,770 ferry boats, 10 feet; 3 freight steamers, 11 feet; 390 tugs; 35 oyster steamers, 4 feet; 720 fishing steamers, 8 feet; 50 steam yachts, 14 feet; 123 motor lighters, 4 feet; 11 motor-driven oil tanks, 15.8 feet; 10 motor-driven oyster boats; 756 motor fishing boats, and 80 motor yachts.

"Registered sailing"—8 freight schooners and 40 yachts.

"Registered barges"—101 coal barges, 14 feet; 5 tank barges, 14.7 feet.

"Unregistered steamers"—362 motor fishing boats; estimated 3,000 motor pleasure launches.

"Unregistered barges"—44 sand scows and 6 lighters.

In addition to the above, approximately 23,000 trips in the harbor were made by the Government ferry steamers to and from the Army and Navy posts, 176 vessels of the United States Navy, aggregating 523,041 tons displacement, 15 naval colliers, 1 commercial collier, and 3 commercial oil barges with Government stores entered the harbor during the calendar year, and a large number of craft used it as a harbor of refuge.

PROVIDENCE RIVER AND HARBOR, R. I.

Comparative statement of traffic.

Year.	To and from Providence.			In transit.		
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.
1895.....	1,753,000	(1)	(1)	(1)	(1)	(1)
1896.....	1,600,950	(1)	(1)	(1)	(1)	(1)
1897.....	2,152,975	(1)	(1)	(1)	(1)	(1)
1898.....	(1)	(1)	(1)	(1)	(1)	(1)
1899.....	2,823,308	(1)	(1)	(1)	(1)	(1)
1900.....	2,016,582	(1)	(1)	(1)	(1)	(1)
1901.....	2,866,019	(1)	(1)	(1)	(1)	(1)
1902.....	2,739,000	(1)	(1)	(1)	(1)	(1)
1903.....	2,640,006	(1)	(1)	(1)	(1)	(1)
1904.....	2,529,173	(1)	(1)	(1)	(1)	(1)
1905.....	3,244,248	(1)	(1)	(1)	(1)	(1)
1906.....	3,086,003	(1)	(1)	(1)	(1)	(1)
1907.....	3,054,471	(1)	(1)	(1)	(1)	(1)
1908.....	2,957,204	86,825,563	821,970	422,370	3,843,932	46,314
1909.....	3,339,727	100,615,566	796,917	475,255	5,525,994	56,981
1910.....	3,693,686	106,200,881	753,283	514,776	6,339,819	58,907
1911.....	3,379,233	96,932,998	773,773	508,625	6,380,723	60,410
1912.....	3,963,008	112,741,435	779,409	622,156	6,211,250	53,433
1913.....	4,019,048	104,960,631	1,019,943	520,757	6,196,134	66,894
1914.....	3,627,077	247,445,654	898,120	477,312	6,568,854	52,238
1915.....	3,281,184	284,976,432	876,414	458,362	5,677,878	50,510
1916.....	3,711,777	405,108,089	847,205	510,614	10,856,718	56,981
1917.....	3,406,124	375,063,228	552,108	490,594	12,548,054	26,985
1918.....	3,540,081	333,359,803	294,374	465,370	7,924,429	16,226
1919.....	2,809,026	424,886,097	368,005	336,832	12,984,557	17,723
1920.....	3,961,009	588,507,699	423,359	263,469	38,253,369	(1)

¹ No data available.² Exclusive of 149,884 tons, valued at \$844,141, traffic across river and local.

Freight traffic, 1920.

FOREIGN.

[Navigation season, the entire year.]

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animal products: Skins and hides	16	16	\$13,060	\$13,060
Vegetable food products		8		4,800
Garlic			200	
Coffee	1		600	
Dried fruits	4		2,400	
Walnuts	2		1,600	
Other vegetable products		12		10,527
Gum gatto	11		9,077	
Tobacco	1		1,450	
Textiles		69		5,085
Cotton yarns	1		3,725	
Old cotton fabric	68		1,360	
Wood and paper: Spruce sawed lumber	572	572	24,676	24,676
Nonmetallic minerals		586,697		8,607,472
Fuel oil	582,731		8,544,884	
Salt	3,928		60,904	
Witherite	38		1,634	
Manufactures of metals: Tool steel	4	4	1,850	1,850
Machinery and vehicles		69		92,860
Machine tools	6		16,280	
Cotton spinning machinery	55		55,000	
Machinery (unclassified)	8		21,600	
Total		587,447		8,700,330
EXPORTS.				
Animal products: Sole leather	124	124	124,310	124,310
Nonmetallic minerals: Petroleum products	1,459	1,459	72,950	72,950
Manufactures of metals		31		13,300
Annealed wire	30		12,000	
Tools	1		1,300	
Machinery and vehicles: Automobiles	5	5	9,000	9,000
Total		1,619		219,560
Total imports and exports		590,066		8,979,890

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products.			593		\$371,800	Miles.	Cents.
Oils and greases.		342		\$171,000		427	3.801
Hides and skins.		251		200,800		480	3.750
Vegetable food products.			5,310		1,619,845		
Grains, etc.		275		26,000		282	4.044
Vegetables.		741		44,025		400	4.040
Fruits, nuts, etc.		311		124,400		480	3.750
Vegetable oils and fats.		141		42,300		480	3.750
Sugar.		3,842		1,383,120		180	4.444

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—CON.						<i>Miles.</i>	<i>Cents.</i>
Other vegetable products.....			4, 110		\$2, 902, 616		
Rubber.....		2, 302		\$766, 566		180	4. 444
Drugs, crude.....		15		4, 500		480	3. 750
Dyes, etc.....		118		29, 500		180	4. 444
Tobacco.....		1, 433		2, 077, 850		480	3. 750
Miscellaneous vegetable products.....		242		24, 200		180	4. 444
Textiles.....			60, 939		104, 788, 979		
Cotton.....		13, 889		10, 703, 979		276	4. 058
Wool.....		30		45, 000		480	3. 750
Miscellaneous textile products.....		47, 020		94, 040, 000		437	3. 791
Wood and paper.....			15, 827		811, 025		
Lumber.....	15, 271	25		525, 525		1, 059	0. 918
Paper.....		531		285, 500		480	3. 750
Nonmetallic minerals.....			2, 369, 541		31, 730, 278		
Coal, anthracite.....	274, 235			2, 635, 898		192	0. 732
Coal, bituminous.....	1, 378, 571			12, 946, 038		415	0. 500
Gasoline.....	166, 694			7, 823, 065		2, 320	0. 0026
Gas and fuel oil.....	415, 761			4, 132, 327		2, 134	(1)
Illuminating oil.....	47, 041			2, 051, 539		511	0. 0026
Lubricating oil.....	5, 719	3, 630		1, 020, 372		1, 530	0. 0031
Asphalts.....	2, 448			48, 960		2, 402	0. 0026
Unclassified.....	12, 379			657, 343		343	(1)
Stone.....	28, 849			166, 650		135	0. 494
Sand.....	28, 616			171, 928		225	1. 000
Plaster.....		2, 192		39, 900		191	1. 836
Clay.....	1, 388			11, 451		225	1. 000
Bricks.....	2, 018			24, 809		98	1. 662
Ores, metals and manufactures of.....			43, 668		3, 231, 446		
Pig iron.....	38, 069			1, 561, 846		736	0. 534
Wrought iron and steel.....	101			20, 200		480	3. 750
Other ores, metals and manufactures of.....		5, 498		1, 649, 400		229	4. 208
Machinery and vehicles.....							
Miscellaneous machinery.....		993	993	595, 800	595, 800	208	4. 239
Chemicals.....	14, 300	10, 397	24, 894	1, 389, 200	1, 428, 200	197	1. 565
Miscellaneous chemical products.....		197		39, 000		180	1. 972
Unclassified merchandise.....		135, 088	135, 088	168, 859, 000	168, 859, 000	202	4. 916
Total.....	2, 431, 460	229, 503	2, 660, 963		316, 338, 989		
SHIPMENTS, COASTWISE.							
Animals and animal products.....			3, 263		2, 494, 280		
Meats, poultry, eggs.....		1, 368		684, 000		480	3. 750
Fish.....		48		17, 280		480	3. 750
Oils and greases.....		90		36, 000		180	4. 444
Leather and manufactures of.....		1, 757		1, 757, 000		480	3. 750
Vegetable food products.....							
Unclassified.....		2, 363	2, 363	472, 000	472, 000	180	4. 444
Other vegetable products.....			3, 141		1, 029, 788		
Rubber and manufactures of.....		2, 866		961, 038		480	3. 750
Dyeing and tanning material.....		275		68, 750		180	4. 444
Textiles.....			25, 683		50, 842, 360		
Cotton.....		426		328, 360		180	3. 558
Miscellaneous textile products.....		25, 257		50, 514, 000		344	3. 915

¹ No data available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—CON.						<i>Miles.</i>	<i>Cents.</i>
Wood and paper.....			2, 559		\$279, 950		
Paper.....		2, 535		\$278, 850		480	3. 750
Printed matter.....		24		1, 100		480	3. 750
Nonmetallic minerals.....			355, 134		18, 044, 596		
Gasoline.....	101, 335			7, 443, 891		243	(1)
Gas and fuel oil.....	85, 005			1, 067, 442		232	(1)
Illuminating oil.....	2, 950			216, 001		175	(1)
Lubricating oil.....		340		39, 100		480	3. 750
Unclassified petroleum products.....	164, 650			9, 276, 160		281	(1)
Sand.....	850			1, 930		110	2. 000
Plaster.....		4		72		480	3. 750
Ores, metals and manufactures of: Unclassified.....		14, 362	14, 262	5, 744, 800	5, 744, 800	301	3. 997
Machinery and vehicles.....			4, 536	1, 740, 800	1, 910, 200	480	3. 750
Textile machinery.....		4, 352		169, 400		180	4. 440
Unclassified machinery.....		484	580	101, 383	101, 383	200	1. 500
Chemicals: Unclassified.....		153, 089	153, 089	152, 777, 585	152, 777, 585	237	4. 578
Unclassified: Merchandise.....							
Total.....	354, 790	210, 220	565, 010		233, 696, 942		
Total receipts and shipments, coastwise.....	2, 786, 250	439, 723	3, 225, 973		550, 035, 931		
RECEIPTS, INTRAPORT.							
Animals and animal products.....			22		6, 720		
Fish.....	2			720		24	(1)
Unclassified animal products.....		20		6, 000		18	9. 028
Vegetable food products: Unclassified.....		20	20	2, 000	2, 000	14	10. 357
Other vegetable products: Unclassified.....		10	10	1, 000	1, 000	22	7. 727
Textiles: Cotton.....		10, 000	10, 000	7, 700, 000	7, 700, 000	22	7. 727
Nonmetallic minerals.....			15, 604		474, 287		
Fuel oil.....	12, 255			306, 837		23	(1)
Unclassified petroleum products.....	3, 349			167, 450		13	(1)
Machinery: Unclassified.....		15	15	1, 500	1, 500	22	7. 667
Unclassified: Merchandise.....		1, 350	1, 350	675, 000	675, 000	23	14. 071
Total.....	15, 606	11, 415	27, 021		8, 860, 507		
SHIPMENTS, INTRAPORT.							
Animals and animal products: Unclassified.....		230	230	69, 000	69, 000	13	9. 407
Vegetable food products: Unclassified.....		180	180	18, 000	18, 000	20	10. 065
Other vegetable products: Rubber and manufactures.....		90	90	27, 700	27, 700	15	8. 864
Textiles: Cotton and manufactures.....		18, 000	18, 000	13, 860, 000	13, 860, 000	21	7. 960
Wood and paper: Lumber.....		550	550	27, 500	27, 500	13	9. 255
Nonmetallic minerals.....			91, 983		1, 407, 571		
Coal, anthracite.....	3, 899			51, 367		5	(1)
Coal, bituminous.....	38, 705			415, 048		5	(1)
Gasoline.....	6, 374			376, 654		24	(1)
Gas and fuel oil.....	35, 190			283, 974		4	(1)
Illuminating oil.....	4, 800			129, 778		23	(1)
Petroleum products.....	3, 015			150, 750		23	(1)

1 No data available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT—CON.							
						Miles.	Cents.
Machinery and vehicles			221		\$26, 100		
Construction machinery		136		\$17, 600		21	(1)
Other machinery		85		8, 500		19	8. 252
Chemicals: Miscellaneous chemical products		150	150	30, 000	30, 000	18	8. 299
Unclassified merchandise		7, 305	7, 305	5, 133, 500	5, 133, 500	23	14. 299
Total	91, 983	26, 726	118, 709		20, 599, 371		
Total receipts and shipments, intraport	107, 589	38, 141	145, 730		29, 459, 878		
RECEIPTS, INTERNAL.							
Animals and animal products: Oysters	1, 200		1, 200	32, 000	32, 000	11	(2)

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
CROSS RIVER AND LOCAL.					
Animal products: Unclassified.....		153	153	\$70, 150	\$70, 150
Vegetable food products: Unclassified.....		41	41	5, 850	5, 850
Nonmetallic minerals.....			149, 690		768, 141
Coal, bituminous.....	8, 818			94, 476	
Gasoline.....	1, 785			74, 024	
Gas oil.....	6, 132			104, 198	
Fuel oil.....	76, 259			429, 381	
Illuminating oil.....	1, 252			14, 602	
Concrete blocks.....	5, 444			48, 960	
Fresh water.....	50, 000			2, 500	
Total.....	149, 690	194	149, 884		844, 141

Classes and commodities.	Amount in short tons.			Value.
	Bulk.	Package.	Total.	
CARGOES IN TRANSIT.				
Animals and animal products.....	13, 429		13, 429	\$248, 932
Other vegetable products.....		10	10	3, 332
Wood and paper.....		7	7	3, 250
Nonmetallic minerals.....	170, 505	45	170, 550	2, 069, 044
Ores, metals and manufactures of.....	10, 204	19, 211	29, 415	4, 646, 249
Chemicals.....		1	1	4, 280
Unclassified freight.....		50, 057	50, 057	31, 278, 302
Total.....	194, 138	69, 331	263, 469	38, 253, 369

1 No data available.

2 Bottoms operated by consignor or consignee; no data as to rates available.

Freight traffic, 1920—Continued.
SUMMARY.

Classes and commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products.....	16	\$13,060	124	\$124,310	3,856	\$2,965,080	1,452	\$107,720	5,446	\$3,111,170
Vegetable food products.....	8	4,800	.....	.....	7,673	2,091,845	1,200	20,000	7,881	2,115,645
Other vegetable products.....	12	10,527	.....	.....	7,261	3,832,404	100	28,700	7,363	3,971,831
Textiles.....	60	5,065	.....	.....	86,622	155,631,339	28,000	21,560,000	114,691	177,196,424
Wood and paper.....	572	24,676	.....	.....	18,386	1,090,975	550	27,500	19,508	1,143,151
Nonmetallic minerals.....	586,697	8,607,472	1,459	72,950	2,724,675	49,774,874	107,557	1,881,858	3,420,418	60,337,154
Ores, metals and manufactures of.....	4	1,850	31	13,300	58,030	8,976,246	.....	.....	58,065	8,991,396
Machinery.....	69	92,860	5	9,000	5,829	2,506,000	.....	27,600	6,139	2,635,460
Chemicals.....	.....	.....	.....	.....	26,474	1,529,583	150	30,000	26,624	1,559,583
Unclassified.....	.....	.....	.....	.....	288,177	321,636,585	8,655	5,806,500	296,832	327,445,085
Total.....	587,447	8,760,330	1,619	219,560	3,225,973	550,035,931	146,980	29,491,878	3,961,960	588,507,699

ADDITIONAL TRAFFIC.

	Short tons.		Value.
Across river and local.....	140,884		\$844,141
Cargoes in transit.....	263,469		38,253,369

Vessel classification, 1920.

Classes.	Total arrivals and departures.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steamers.....	6,223	37	6,260	2,708,353	396,087
Sailing.....	74	2	76	10,261	272
Barges.....	1,187	.....	1,187	776,548	.....
Unregistered:					
Steamers, small motor boats.....	16,000	.....	16,000	64,000	26,000
Sailing, small sailboats.....	400	.....	400	1,600	1,000
Barges.....	2,200	.....	2,200	22,000	.....
Total.....	26,084	39	26,123	3,582,762	423,359

The numbers and maximum draft (so far as ascertainable) of the various classes of vessels are:

"Registered steamers"—2,474 freight and passenger steamers on regular transportation lines, 25 feet; 135 steam tankers, 27 feet; 4 motor-driven tankers, 16 feet; 80 steam colliers, 27 feet; 651 oyster steamers, 7 feet; 1,334 motor-driven oyster boats, 6 feet; 86 steam freight boats, 10 feet; 12 motor-driven fishing vessels, 8 feet; 1,305 tugs, 16 feet, and 142 steamers, miscellaneous service, 25 feet.

"Registered sailing"—16 brick schooners, 10 feet; 3 lumber schooners, 12 feet; 3 schooners in salt trade, 20 feet; 3 schooners in passenger trade from Azores, 12 feet; 51 small schooners in miscellaneous trade.

"Registered barges"—1,083 coal barges, 29 feet; 26 oil-tank barges, 25.5 feet; 11 lumber barges, 22 feet; 46 canal barges with pig iron, 10 feet; and 21 small barges with chemicals.

In addition to the above, 175 entries and departures of Government vessels with an aggregate displacement of 65,700 tons are reported and 537 scow loads of dredgings, aggregating 335,825 cubic yards, were handled in the harbor in the course of Federal harbor improvement.

PAWTUCKET (SEEKONK) RIVER, R. I.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895.....	195,474	(1)	(1)	1908.....	422,970	\$3,483,932	(1)
1896.....	201,500	(1)	(1)	1909.....	475,255	5,525,994	56,931
1897.....	200,000	(1)	(1)	1910.....	514,776	6,339,819	61,007
1898.....	204,130	(1)	(1)	1911.....	508,625	6,380,723	66,078
1899.....	213,830	(1)	(1)	1912.....	622,156	6,211,250	63,833
1900.....	216,060	(1)	(1)	1913.....	520,757	6,196,134	83,972
1901.....	216,323	(1)	(1)	1914.....	477,312	6,568,854	74,738
1902.....	224,600	(1)	(1)	1915.....	458,362	5,677,876	66,260
1903.....	230,391	(1)	(1)	1916.....	510,614	10,856,718	68,184
1904.....	229,835	(1)	(1)	1917.....	490,594	12,548,054	36,465
1905.....	286,637	(1)	(1)	1918.....	465,370	7,924,429	23,040
1906.....	287,739	(1)	(1)	1919.....	318,883	9,568,557	22,400
1907.....	288,908	(1)	(1)	1920.....	249,566	15,740,107	7,750

¹ No data available.

Freight traffic, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products: Oysters.....	5,043	.....	5,043	\$114,000	\$114,000	Miles. 79	Cents. 2.500
Other vegetable products: Rubber.....	.....	10	10	3,332	3,332	190	0.790
Wood and paper: Paper.....	.....	7	7	3,250	3,250	190	.790
Nonmetallic minerals.....	.....	.....	185,100	.....	1,961,068	.....	.....
Coal, anthracite.....	78,786	.....	.....	1,040,103	.....	191	.758
Coal, bituminous.....	85,007	.....	.....	912,125	.....	329	.742
Asphalts.....	.....	45	.....	2,790	.....	190	.790
Bricks.....	1,262	.....	.....	6,060	.....	86	2.035
Ores, metals and manufactures of.....	.....	.....	18,865	.....	3,519,498	.....	.....
Pig iron.....	10,204	.....	.....	394,319	.....	625	.687
Copper bars.....	.....	8,456	.....	3,094,916	.....	190	.790
Pig lead.....	.....	199	.....	33,564	.....	190	.790
Manufactures of metals.....	.....	6	.....	6,699	.....	190	.790
Chemicals: Pigments.....	.....	1	1	4,260	4,260	190	.790
Miscellaneous: Unclassified merchandise.....	.....	8,644	8,744	3,457,622	3,457,622	190	3.955
Total.....	180,302	17,368	197,670	.....	9,063,030	.....	.....
SHIPMENTS, COASTWISE.							
Animals and animal products: Oyster shells.....	2,694	.....	2,694	3,592	3,592	125	1.000
Ores, metals and manufactures of.....	.....	.....	10,550	.....	1,126,751	.....	.....
Manufactured iron and steel.....	.....	9,348	.....	815,266	.....	190	.790
Manufactured copper.....	.....	1,202	.....	311,485	.....	190	1.463
Miscellaneous: Unclassified merchandise.....	.....	8,851	8,851	4,221,601	4,221,901	190	3.996
Total.....	2,694	19,401	22,095	.....	5,352,244	.....	.....
Total receipts and shipments, coastwise.....	182,996	36,769	219,765	.....	14,415,274	.....	.....
RECEIPTS, INTRAPORT.							
Animals and animal products: Oysters.....	5,692	.....	5,692	131,340	131,340	16	2.000
Nonmetallic minerals.....	.....	.....	121,117	.....	1,160,023	.....	.....
Coal, anthracite.....	3,899	.....	.....	51,367	.....	5	(1)
Coal, bituminous.....	38,705	.....	.....	415,048	.....	5	(1)
Gas oil.....	15,450	.....	.....	107,976	.....	24	(1)
Fuel oil.....	63,063	.....	.....	585,632	.....	4	(1)
Total.....	126,809	.....	126,809	.....	1,291,363	.....	.....
SHIPMENTS, INTRAPORT.							
Nonmetallic minerals.....	.....	.....	2,945	.....	26,364	.....	.....
Fuel oil.....	2,053	.....	.....	17,492	.....	3	(1)
Oil.....	892	.....	.....	8,872	.....	5	(1)
Total.....	2,945	.....	2,945	.....	26,364	.....	.....
Total receipts and shipments, intraport.....	129,754	.....	129,754	.....	1,317,727	.....	.....
INTERNAL.							
Chemicals: Ammoniacal liquors.....	47	.....	47	7,106	7,106	3	(1)

¹ In vessels owned by local firms. No data available.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.					
	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	7,737	\$117,592	5,692	\$131,340	13,429	\$248,932
Other vegetable products.....	10	3,332			10	3,332
Wood and paper.....	7	3,250			7	3,250
Nonmetallic minerals.....	165,100	1,961,068	124,062	1,186,387	289,162	3,147,455
Ores, metals and manufactures of.....	29,415	4,646,249			29,415	4,646,249
Chemicals.....	1	4,260	47	7,160	48	11,366
Unclassified.....	17,495	7,679,523			17,495	7,679,523
Total.....	219,765	14,415,274	129,801	1,324,833	349,566	15,740,107

Vessel classification, 1920.

Classes.	Total arrivals and departures.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	1,919	107,064	
Sailing.....	14	1,186	
Barges.....	215	119,580	
Unregistered:			
Steamers—motor boats.....	3,300	14,000	7,500
Sail.....	60	250	250
Barges.....	259	5,150	
Total.....	5,567	147,259	7,750

The number, type, and maximum draft (so far as ascertainable) of the various classes of vessels are:

"Registered steamers"—161 steamers on regular freight lines, 10 feet; 43 freight steamers, mainly under charter to individual firms, 10 feet; 825 steam tugs, 8 feet; 312 oyster steamers, 7 feet; and 578 motor-driven oyster boats, 6 feet.

"Registered sailing"—5 brick schooners, 9 feet; 8 oyster schooners, 6 feet; and 1 miscellaneous.

"Registered barges"—191 coal barges, 16 feet; 2 tank oil barges, 14 feet; and 22 canal barges.

"Unregistered barges"—121 small tank oil barges, 34 tank scows, 1 house boat, 103 miscellaneous scows, barges, dredges, and pile drivers.

In addition to the above, 47 United States Government vessels with an aggregate displacement of 3,629 tons are recorded as having used the river, and 352 scow loads of mud, aggregating 207,217 cubic yards, were handled in the course of Federal improvement of the river.

POINT JUDITH HARBOR OF REFUGE, R. I.

Comparative statement of use of harbor of refuge, from records of Coast Guard station at Point Judith, R. I.

CLASSES OF VESSELS.

Year.	Steamers.	Sailings.	Barges.	Miscellaneous.	Total.
1909.....	170	482	29	8	689
1910.....	13	221	.....	.....	234
1911.....	12	142	19	.....	173
1912.....	28	181	31	.....	240
1913.....	(1)	(1)	(1)	(1)	240
1914.....	(1)	(1)	(1)	(1)	677
1915 (1).....	29	501	24	202	756
1916.....	67	293	184	433	977
1917.....	34	417	17	63	531
1918.....	32	297	32	63	424
1919.....	97	262	69	93	521
1920.....	161	404	55	59	679

¹ No data available.

² Data 1915 to date, from records of Coast Guard station at Point Judith, R. I.

HARBOR OF REFUGE, BLOCK ISLAND, R. I.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894.....	43,165	(1)	(1)	1908.....	11,861	\$591,873	42,419
1895.....	45,135	(1)	(1)	1909.....	10,439	499,004	46,578
1896.....	50,362	(1)	(1)	1910.....	11,975	517,358	43,668
1897.....	51,714	(1)	(1)	1911.....	10,177	498,698	47,635
1898.....	52,915	(1)	(1)	1912.....	9,952	549,271	44,289
1899.....	55,064	(1)	(1)	1913.....	10,416	590,573	55,055
1900.....	63,281	(1)	(1)	1914.....	7,661	399,667	42,829
1901.....	73,366	(1)	(1)	1915.....	5,976	236,986	38,101
1902.....	75,025	(1)	(1)	1916.....	5,129	381,427	54,903
1903.....	103,225	(1)	(1)	1917.....	8,282	992,920	52,295
1904.....	162,915	(1)	(1)	1918.....	9,799	1,922,723	34,699
1905.....	184,935	(1)	(1)	1919.....	5,980	971,272	50,912
1906.....	37,060	(1)	(1)	1920.....	6,385	1,465,916	46,600
1907.....	(1)	(1)	(1)				

¹ No data available.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products.....			1,322		\$173,500	Miles.	Cents.
Live stock.....		72		\$36,000		25	14.400
Fish.....	1,250			137,500		(1)	(2)
Vegetable food products:							
Grain.....		3	3	255	255	45	8.889
Wood and paper: Lumber.....		70	70	3,850	3,850	45	8.889
Nonmetallic minerals.....			1,664		35,461		
Coal.....	400			6,680		140	1.705
Gasoline.....	240			12,000		32	(1)
Illuminating oil.....	13			604		32	(2)
Lubricating oil.....		7		826		32	(1)
Cement.....		60		1,020		45	8.889
Bricks.....	169			2,635		55	(1)
Lime.....		14		196		45	8.889
Salt.....		11		143		45	8.889
Ice.....	750			11,457		240	1.250
Chemicals: Fertilizer.....		25	25	1,500	1,500	27	(1)
Unclassified: Merchandise.....		2,098	2,098	1,005,000	1,005,000	43	9.208
Total.....	2,822	2,360	5,182		1,219,566		
SHIPMENTS, COASTWISE.							
Animals and animal products.....			1,203		246,350		
Live stock.....		230		115,000		25	14.400
Poultry.....		2		1,600		45	8.889
Eggs.....		21		15,750		45	8.889
Fish.....		950		114,000		29	(1)
Total.....		1,203	1,203		246,350		
Total receipts and shipments coastwise	2,822	3,563	6,385		1,465,916		

¹ No data available.² In boats owned by shippers or consignees; no data.

SUMMARY.

Classes of commodities.	Domestic coastwise.	
	Tons.	Value.
Animals and animal products.....	2,525	\$419,850
Vegetable food products.....	3	255
Wood and paper.....	70	3,850
Nonmetallic minerals.....	1,664	35,461
Chemicals.....	25	1,500
Unclassified.....	2,098	1,005,000
Total.....	6,385	1,465,916

Vessel classification, 1920.

Classes.	Total arrivals and departures.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	3,826	113,730	41,000
Sail.....	454	6,860	600
Barges.....	4	960	.....
Unregistered:			
Steamers.....	5,600	25,000	8,000
Sailing.....	160	640	.....
Total.....	10,044	147,190	49,600

The numbers and maximum drafts (so far as ascertainable) of the various classes of vessels are:

"Registered steamers"—192 passenger and freight boats on regular transportation lines, 10 feet; 4 tugs; 50 fishing steamers; 80 steam yachts; 3,300 motor fishing boats and 200 motor yachts.

"Registered sailing"—4 freight schooners, 10.5 feet; 350 fishing schooners and sloops, and 100 yachts.

"Registered barges"—2 coal barges, 12 feet, and 2 oil barges.

"Unregistered steamers"—4,280 motor fishing boats and 1,320 motor pleasure boats.

In addition to the above several Government vessels visited the harbor during the year.

GREAT SALT POND, BLOCK ISLAND, R. I.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1886.....	5,200	(1)	(1)	1909.....	8,229	\$516,315	109,737
1887.....	9,700	(1)	(1)	1910.....	9,137	621,484	73,064
1888.....	11,000	(1)	(1)	1911.....	8,736	626,929	76,581
1889.....	4,100	(1)	(1)	1912.....	12,052	773,937	69,117
1900.....	13,350	(1)	(1)	1913.....	11,225	776,490	93,258
1901.....	25,600	(1)	(1)	1914.....	10,160	710,481	77,067
1902.....	35,800	(1)	(1)	1915.....	9,680	600,656	74,453
1903.....	40,350	(1)	(1)	1916.....	17,663	1,331,963	106,660
1904.....	45,000	(1)	(1)	1917.....	7,736	519,699	8,522
1905.....	83,500	(1)	(1)	1918.....	6,284	801,612	11,006
1906.....	38,496	(1)	(1)	1919.....	7,856	1,297,319	34,755
1907.....	(1)	(1)	(1)	1920.....	8,667	2,062,242	35,331
1908.....	10,458	\$636,425	104,499				

¹ No data available.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products.....			1,062		\$85,650	Miles.	Cents.
Live stock.....		128		\$64,000		25	14.400
Eggs.....		14		11,200		45	8.880
Fish.....	960			10,450		(¹)	(²)
Nonmetallic minerals.....			2,579		65,382		
Coal, anthracite.....	880			14,195		140	1.705
Gasoline.....	500			25,000		32	(³)
Illuminating oil.....	27			2,256		32	(³)
Lubricating oil.....		13		1,534		32	(³)
Cement.....		40		520		45	8.880
Salt.....		29		377		45	8.880
Ice.....	1,000			12,500		240	1.250
Tombstones.....	120			9,000		140	(¹)
Wood and paper: Lumber.....		42	42	2,310	2,310	45	8.880
Chemicals: Fertilizer.....		50	50	3,000	3,000	27	(³)
Unclassified: Merchandise.....		3,277	3,277	1,544,500	1,544,500	41	9.692
Total.....	3,447	3,593	7,040		1,700,842		
SHIPMENTS, COASTWISE.							
Animals and animal products.....			1,610		371,800		
Live stock.....		470		235,000		25	14.400
Fish.....		1,140		136,800		29	10.000
Vegetable food products:							
Potatoes.....		15	15	9,000	9,000	45	8.880
Unclassified: Merchandise.....		2	2	600	600	45	8.880
Total.....		1,627	1,627		381,400		
Total receipts and shipments, coastwise.....	3,447	5,220	8,667		2,082,242		

¹ No data available.² In boats owned by shippers or consignees; no data.³ Approximate.

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products	2,702	\$457,450
Vegetable food products	15	9,000
Wood and paper	42	2,310
Nonmetallic minerals	2,579	65,382
Chemicals	50	3,000
Unclassified	3,279	1,545,100
Total	8,667	2,082,242

Vessel classification, 1920.

Classes.	Total arrivals and departures.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	2,774	87,644	33,061
Sailing.....	271	3,250	570
Barges.....	9	2,420	.....
Unregistered:			
Steamers.....	1,775	5,325	1,700
Sailing.....	80	240	.....
Total.....	4,909	98,879	35,331

The numbers and maximum drafts (so far as ascertainable) of the various classes of vessels are:

"Registered steamers"—117 passenger and freight steamers on regular transportation lines, 13 feet; 12 tugs, 9 feet; 120 fishing steamers; 150 steam yachts; 2,150 motor fishing boats; 225 motor yachts.

"Registered sailing"—1 freight schooner, 11 feet; 80 fishing schooners and sloops, and 190 yachts.

"Registered barges"—2 coal barges, 11 feet; 3 ice barges, and 4 oil barges.

"Unregistered steamers"—1,350 motor fishing boats, 425 motor pleasure boats.

In addition to the above an indeterminate number of Government vessels visited the harbor during the year.

PAWCATUCK RIVER, R. I. AND CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893.....	35,968	(1)	1907.....	47,589	(1)
1894.....	52,805	(1)	1908.....	59,087	(1)
1895.....	43,671	(1)	1909.....	60,724	(1)
1896.....	39,086	(1)	1910.....	53,372	(1)
1897.....	46,024	(1)	1911.....	53,921	(1)
1898.....	131,602	(1)	1912.....	55,522	\$308,628.16
1899.....	66,742	(1)	1913.....	56,400	351,509.01
1900.....	57,530	(1)	1914.....	47,506	331,949.25
1901.....	48,313	(1)	1915.....	39,073	494,752.69
1902.....	116,399	(1)	1916.....	58,854	607,008.59
1903.....	108,802	(1)	1917 ¹	40,506	617,117.00
1904.....	141,832	(1)	1918.....	73,689	733,368.00
1905.....	167,668	(1)	1919.....	27,359	226,972.69
1906.....	60,786	(1)	1920.....	27,724	306,739.00

¹ No statistics available.

² Passengers carried, 6,500.

Freight traffic, 1920.

DOMESTIC.

[Navigation season, Mar. 15, to Dec. 31, 1920.]

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Fish.....		624	624	\$65,520	\$65,520	Miles.	Cents.
Wood and paper: Boards, planks, and sawed lumber.....	1,500		1,500	50,000	50,000		
Nonmetallic minerals.....			24,497		244,369	155	1-2
Coal, anthracite.....	15,146			162,795			
Coal, bituminous.....	7,381			75,339			
Sand.....	1,930			6,079			
Clay.....	40			156			
Total.....	25,997	624	26,621		359,839		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Paving blocks.....	1,103		1,103	9,850	9,850		
Total receipts and shipments.....	27,100	624	27,724		369,739		

SUMMARY.

Classes of commodities.	Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair....	624	\$65,520	624	\$65,520
Wood and paper.....	1,500	50,000	1,500	50,000
Nonmetallic minerals.....	25,600	254,219	25,600	254,219
Total.....	27,724	369,739	27,724	369,739

Vessel classification, 1920.

Freight was carried principally in box barges and small schooners drawing from 7 to 10 feet. The average tonnage carried in a 1,000-ton capacity barge is limited to 500 tons, owing to lack of water.

About 15 fishing boats from 15 to 35 feet in length operate from the river, as well as about 50 pleasure boats. The lower river is used extensively in the summer season by cruising yachts.

Comparative statement of traffic.

Year.	Tons.	Value.
1920.....	6,523	\$265,575

No previous record.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Fish.....		725	725	\$163,125	\$163,125	Miles.	Cents.
Nonmetallic minerals.....			5,780		100,750	150	2-2
Coal, anthracite.....	2,500			30,000			
Coal, bituminous.....	2,900			69,000			
Molding sand.....	300			1,500			
Bricks.....	30			130			
Fire sand.....	50			120			
Total.....	5,780	725	6,505		263,875		
SHIPMENTS, COASTWISE.							
Animals, and animal products, except wool and hair: Fish.....		18	18	1,700	1,700		
Total receipts and shipments.....	5,780	743	6,523		265,575		

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animal and animal products, except wool and hair.....	743	\$164,825
Nonmetallic minerals.....	5,780	100,750
Total.....	6,523	265,575

Vessel classification, 1920.

Cargo freight was carried in canal boats, box barges, and scows. Fish was carried in power boats of from 20 to 40 feet in length.

During 1920 about 1,800 vessels used the harbor as a harbor of refuge.

MYSTIC RIVER, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912.....	52,209	\$251,105.61	1917.....	26,193	\$214,069.00
1913.....	50,888	260,704.85	1918.....	19,690	150,590.00
1914.....	50,983	130,929.60	1919.....	15,992	130,518.00
1915.....	49,668	144,412.17	1920.....	17,683	493,326.00
1916.....	22,153	120,523.43			

[Navigation season, Mar. 15 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul, ¹	Rate per ton-mile. ¹
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Fish.....	1,520	.....	1,520	\$304,000	\$304,000	Miles.	Cents.
Nonmetallic minerals.....			16,163		189,326		
Coal, anthracite.....	11,760	.....		135,180			
Coal, bituminous.....	4,408	.....		54,146			
Total.....	17,683	.....	17,683		493,326		

¹ No data available.

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	1,520	\$304,000
Nonmetallic minerals.....	16,163	189,326
Total.....	17,683	493,326

Vessel classification.

The bulk of the freight is carried in barges. A few schooners are used and a fleet of about 35 fishing boats 25 to 35 feet in length used the river as a home port.

NEW LONDON HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1897.....	786,341	(1)	1909.....	707,768	\$80,247,602.00
1898.....	722,609	(1)	1910.....	798,290	78,490,447.65
1899.....	743,640	\$60,431,700.00	1911.....	841,113	78,223,683.10
1900.....	750,390	60,438,823.00	1912.....	907,990	107,688,245.90
1901.....	750,390	60,438,823.00	1913.....	924,127	112,332,489.00
1902.....	893,755	(1)	1914.....	824,095	102,871,515.53
1903.....	965,465	(1)	1915.....	786,551	117,779,117.02
1904.....	745,856	(1)	1916.....	849,746	172,153,233.00
1905.....	677,854	12,650,638.00	1917 ¹	690,977	210,423,517.00
1906.....	697,139	14,036,327.33	1918 ²	542,665	164,710,162.00
1907.....	649,438	12,111,900.06	1919.....	553,845	120,107,614.00
1908.....	746,967	12,753,777.83	1920 ²	424,995	176,121,976.00

¹ No statistics available.² Carried 183,982 passengers in 1917, 132,711 in 1918, and 149,170 in 1920.

(Navigation season, Jan. 1 to Dec. 31.)

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages: Oil seeds and vegetable oils and fats.....	7,340	7,340	\$1,034,400	\$1,034,400
Wood and paper: Logs, timber, and other unmanufactured or partly manufactured wood.....	826	826	248,684	248,684
Total imports.....		8,166		1,283,084
EXPORTS.				
Vegetable food products, oil seeds, expressed oils and beverages: Grains, and preparations of.....	17,407	17,407	3,461,430	3,461,430
Total imports and exports.....		25,573		4,744,514

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.....			2,204		\$622,134	Miles.	Cents.
Live stock.....		102		\$29,570		130	
Fish.....		90		36,000		25	
Hides and skins.....		1,339		535,600		130	
Miscellaneous animal products.....		673		20,964		130	
Vegetable food products, oil seeds, expressed oils and beverages.....			82,501		21,138,100		
Grain and preparation of.....		17,539		3,506,400		6,000	
Vegetables.....	9,106			910,600		130	
Fruits.....		328		65,600		130	
Sugar, molasses, sirups.....		55,495		16,648,500		130	
Beverages.....		33		7,000		130	
Other vegetable products, except fibers and wood: Tobacco.....		103	103	20,600	20,600	130	
Textiles.....			11,386		2,971,800		
Cotton.....		10,571		2,114,200			
Wool.....		621		372,600		130	
Miscellaneous textile products.....		194		485,000		130	
Wood and paper.....			8,385		270,119		
Lumber.....	7,448			223,707		130	
Cordwood.....	20			140			
Buoys.....	300			7,500			
Manufactures of wood.....		71		21,300		130	
Paperstock.....		546		17,472		130	
Nonmetallic minerals.....			101,181		1,176,372		
Coal, anthracite.....	48,948			580,688		130	1-2
Coal, bituminous.....	40,421			420,828		130	1-2
Petroleum, crude.....		184		5,520		130	
Oil, fuel.....	1,477			25,530		142	
Gasoline.....	214	192		29,388		142	
Oil, illuminating.....	68			2,720		142	
Oil, lubricating.....	10	17		4,550		142	
Stone, sand, cement, and plaster.....	9,604			106,350		150	
Brick.....	46			800		130	
Ores, metals, and manufactures of, except machinery and vehicles.....			2,832		217,590		
Iron.....	2,737			191,590		130	
Iron tanks.....	45			13,500		130	
Paints, oils.....	50			12,500			
Machinery and vehicles.....			1,809		3,618,000		
Power generating machinery.....		200		400,000		130	
Automobiles.....	1,609			3,218,000		25	
Chemicals.....			2,880		991,648		
Explosives.....		2,608		982,400		130	
Fertilizers.....		272		9,248		130	
Unclassified.....			82,953		66,309,000		
Miscellaneous.....		82,663		66,018,500		130	
Baggage.....		290		290,500			
Total.....	122,103	174,131	296,224		97,335,363		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.....			3,033		\$1,783,020	Miles.	Cents.
Live stock.....		138		\$46,020		130	
Fish.....		75		45,000			
Dairy products.....		54		32,400		130	
Poultry and eggs.....		280		168,000		130	
Miscellaneous animal products.....		2,486		1,491,600		130	
Vegetable food products, oil seeds, expressed oils and beverages.....			9,253		1,325,180		
Grain and preparation of.....		1,155		183,930		130	
Fodders and feeds.....		129		6,450		130	
Vegetables.....		554		55,400		130	
Oil seeds, vegetable oils and fat.....		7,340		1,034,400		700	
Sirup.....		75		45,000		130	
Textiles.....			1,767		2,559,300		
Wool.....		978		586,800		130	
Miscellaneous textile products.....		789		1,972,500		130	
Wood and paper.....			2,090		300,066		
Lumber.....	1,367			77,550			
Cordwood.....	42			420		130	
Manufactures of wood.....		428		214,000		130	
Paper stock.....		253		8,096		130	
Nonmetallic minerals.....			2,529		52,667		
Coal, anthracite.....	170			1,965		142	
Gasoline.....		225		20,100		142	
Oil, illuminating.....		103		3,575		142	
Oil, lubricating.....		10		1,490		142	
Stone, sand, cement, and plaster.....	1,837			22,777		150	
Brick.....	184			2,760		130	
Ores, metals, and manufactures of, except machinery and vehicles.....			695		68,000		
Iron.....	600			42,000		130	
Iron tanks.....		45		13,500			
Paints, oils.....		50		12,500		130	
Machinery and vehicles.....			2,283		4,818,000		
Power generating machinery.....		905		1,810,000		130	
Automobiles.....		1,378		3,008,000		25	
Chemicals.....			65		2,826		
Miscellaneous chemical products.....		56		2,520		130	
Fertilizers.....		9		306		130	
Unclassified.....			81,473		63,113,040		
Baggage.....		260		290,000			
Miscellaneous.....		81,183		62,823,040		130	
Total.....	4,200	96,968	108,188		74,022,099		
Total receipts and shipments.....	126,303	273,119	399,422		171,357,462		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.		Total.	
	Imports.		Exports.		Coastwise.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....					5,237	\$2,405,154	5,237	\$2,405,154
Vegetable food products, oil seeds, expressed oils and beverages.....	7,340	\$1,034,400	17,407	\$3,481,430	91,754	22,463,280	116,501	26,979,110
Other vegetable products, except fibers and wood.....					103	20,600	103	20,600
Textiles.....					13,153	5,531,100	13,153	5,531,100
Wood and paper.....	826	248,684			10,475	570,185	11,301	818,869
Nonmetallic minerals.....					103,710	1,229,039	103,710	1,229,039
Ores, metals, and manufactures of, except machinery and vehicles.....					3,527	285,590	3,527	285,590
Machinery and vehicles.....					4,092	8,436,000	4,092	8,436,000
Chemicals.....					2,945	994,474	2,945	994,474
Unclassified.....					104,426	129,422,040	104,426	129,422,040
Total.....	8,166	1,283,084	17,407	3,481,430	399,422	171,357,462	424,995	176,121,976

Vessel classification, 1920.

Barges and scows carry the bulk of the freight, but schooners, canal boats, oil tankers, and miscellaneous vessels are used.

Two steamship lines make daily trips from New London to New York, one handling passengers and freight, the other freight only. Another line carries freight and passengers, making triweekly trips. Three other lines make daily trips during the summer season to Block Island, Fishers Island, and Long Island. Draft averages from 5 to 26 feet.

THAMES RIVER, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1883.....	546,900	(1)	1910.....	484,242	\$8,274,741.86
1896.....	424,945	(1)	1911.....	480,445	7,063,796.39
1898.....	459,588	(1)	1912.....	565,480	8,779,172.39
1900.....	464,283	(1)	1913.....	650,554	9,114,246.54
1902.....	464,283	(1)	1914.....	490,605	8,110,426.50
1903.....	409,997	(1)	1915.....	389,161	9,646,479.75
1904.....	346,791	(1)	1916.....	483,900	11,436,713.29
1905.....	446,004	(1)	1917 ²	328,188	13,043,737.00
1906.....	427,503	(1)	1918.....	265,076	11,889,876.00
1907.....	459,016	(1)	1919.....	144,673	9,382,575.00
1908.....	443,395	(1)	1920.....	249,205	14,589,877.00
1909.....	522,829	\$7,619,010.00			

¹ No statistics available.² Carried 4,602 passengers in 1917.

Freight traffic, 1920.

FOREIGN.

[Navigation season, Jan. 1 to Dec. 31.]

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber.....	1,980	1,980	\$43,500	\$43,500

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and paper: Waste paper.....		4,000	4,000	\$200,000	\$200,000	Miles.	Cents.
Nonmetallic minerals.....			220,025		5,390,627		
Coal, anthracite.....	22,526			221,261		139	1-1.2
Coal, bituminous.....	128,572			1,325,138		139	1-1.2
Gasoline.....	59,189			3,644,627		130	1-2
Gas and fuel oil.....	6,512			131,175		130	1-2
Illuminating oil.....	1,646			61,226		130	1-2
Molding sand.....	1,600			7,200		300	2
Unclassified: General merchandise.....		6,370	6,370	4,450,000	4,450,000		
Total.....	220,025	10,370	230,395		10,049,627		
SHIPMENTS, COASTWISE.							
Wood and paper.....			3,567		412,500		
Lumber.....	41			1,218			
Box board.....		3,546		411,282			
Nonmetallic minerals.....							
Stone, sand.....	7,812		7,812	11,000	11,000		
Unclassified: General merchandise.....		5,431	5,431	4,073,250	4,073,250		
Total.....	7,853	8,977	16,830		4,486,750		
Total receipts and shipments.....	227,878	19,347	247,225		14,546,377		

SUMMARY.

Classes of commodities.	Foreign.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	1,980	\$43,500	7,587	\$612,500	9,567	\$656,000
Nonmetallic minerals.....			227,837	5,401,627	227,837	5,401,627
Unclassified.....			11,801	5,532,250	11,801	5,532,250
Total.....	1,980	43,500	247,225	14,546,377	249,205	14,589,877

Vessel classification, 1920.

Barges and scows carry the bulk of the freight, but schooners, canal boats, and miscellaneous vessels are used. Draft of these vessels varies from 5 to 22 feet.

Naval vessels carrying passengers and supplies make daily trips to New London from the submarine base on the Thames River. This traffic is not included in these statistics.

CONNECTICUT RIVER BELOW HARTFORD, CONN.¹*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1893.....	650,000	(²)	1907.....	485,704	(²)
1894.....	560,000	(²)	1908.....	515,581	(²)
1895.....	712,000	(²)	1909.....	614,780	(²)
1896.....	772,000	(²)	1910.....	636,874	(²)
1897.....	648,000	(²)	1911.....	683,326	(²)
1898.....	665,000	(²)	1912.....	619,445	\$39,443,282.94
1899.....	700,000	(²)	1913.....	644,633	38,843,681.52
1900.....	700,000	(²)	1914.....	559,728	35,193,842.88
1901.....	733,187	(²)	1915.....	641,562	39,835,837.24
1902.....	570,818	(²)	1916.....	637,192	44,327,033.89
1903.....	681,000	(²)	1917 ³	602,008	58,940,460.00
1904.....	675,000	(²)	1918 ³	533,455	50,090,299.00
1905.....	673,383	(²)	1919.....	283,078	54,655,569.00
1906.....	440,024	(²)	1920 ³	433,131	56,478,977.00

¹ Includes Eight Mile River.

² No statistics available.

³ Carried 48,647 passengers in 1917, 31,769 in 1918, and 43,443 in 1920.

Freight traffic, 1920.

DOMESTIC.

[Navigation season, Mar. 26 to Dec. 31.]

Classes of commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			8,456	\$211,400	\$1,206,080	Miles. 155	Cents.
Vegetables.....		3,824					
Fruits—Nuts.....		1,800		315,000			
Sugar.....		2,832		679,680			
Other vegetable products, except fibers and wood:							
Rubber, crude.....		507	507	410,163	410,163	155	
Textiles.....			4,748		16,681,800		
Cotton.....		137		82,200			
Miscellaneous textiles.....		4,611		16,599,600			
Wood and paper: Boards, planks.....	400		400	12,000	12,000		
Nonmetallic minerals.....			363,635		4,585,470		
Coal, anthracite.....	152,257			1,846,408		170	1-2
Coal, bituminous.....	192,537			1,879,058		170	1-2
Coke.....	2,688			26,880			
Gasoline.....	7,073			530,475		155	
Lubricating oil.....		923		138,450			
Cement.....	8,157			164,199			

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—con.							
Ores, metals, and manufactures of, except machinery and vehicles: Metal manufactures.....		6,644	6,644	\$1,661,000	\$1,661,000	Miles.	Cents.
Machinery and vehicles: Machinery, except agricultural.....		566	566	452,800	452,800	150	
Chemicals: Fertilizers.....	2,000	2,600	4,600	151,800	151,800	150	
Unclassified: General merchandise.....		12,588	12,588	6,168,120	6,168,120		
Total.....	365,112	37,032	402,144		31,329,233		
SHIPMENTS, COASTWISE.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			522		59,150	150	
Vegetables.....		322		24,150			
Fruits—Nuts.....		200		35,000			
Other vegetable products, except fibers and wood: Tobacco.....		380	380	76,000	76,000	150	
Textiles: Miscellaneous textiles.....		5,636	5,636	20,289,600	20,289,600		
Wood and paper: Lumber.....	155		155	1,046	1,046	150	
Nonmetallic minerals: Feldspar.....	4,908		4,908	17,500	17,500	175	
Ores, metals, and manufactures of, except machinery and vehicles: Metal manufactures.....		10,838	10,838	2,709,400	2,709,400	150	
Machinery and vehicles: Machinery, except agricultural.....		2,596	2,596	2,076,800	2,076,800		
Unclassified.....			5,952	2,920,248	2,920,248	150	
Musical instruments.....		556		276,208			
Miscellaneous.....		5,396		2,644,040			
Total.....	5,063	25,924	30,987		28,149,744		
Total receipts and shipments.....	370,175	62,956	433,131		59,478,977		

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Vegetable food products, oil seeds, expressed oils and beverages.....	8,978	\$1,265,230
Other vegetable products, except fibers and wood.....	887	450,163
Textiles.....	10,384	36,971,400
Wood and paper.....	555	13,046
Nonmetallic minerals.....	368,543	4,602,970
Ores, metals, and manufactures of, except machinery and vehicles.....	17,492	4,370,400
Machinery and vehicles.....	3,162	2,529,600
Chemicals.....	4,600	151,800
Unclassified.....	18,540	9,088,368
Total.....	431,131	59,478,977

Vessel classification, 1920.

There are two freight and passenger steamers operating between Hartford and New York and calling at river points. Other freight is for the most part carried in barges, although canal boats, oil barges, lighters, and schooners are used. The draft carried is from 8 to 12 feet.

DUCK ISLAND HARBOR, CONN.

[Navigation season, Jan. 1 to Dec. 31.]

No record was kept during the year of the number of vessels using this harbor of refuge. There is no local commerce. No estimate of the commerce affected by the improvement can be made, as the harbor is available as a refuge to a major part of the commerce passing through Long Island Sound.

BRANFORD HARBOR, CONN.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1900.....	34,120	(1)	1911.....	41,744	\$237,899.08
1901.....	(1)	(1)	1912.....	45,399	271,295.68
1902.....	25,436	(1)	1913.....	43,643	242,187.76
1903.....	27,058	(1)	1914.....	41,333	204,529.50
1904.....	22,910	\$230,450.00	1915.....	32,227	145,503.00
1905.....	29,972	194,791.00	1916.....	30,375	218,493.09
1906.....	25,960	193,471.76	1917.....	37,032	332,316.00
1907.....	28,313	136,052.39	1918.....	30,587	261,957.00
1908.....	20,669	100,362.80	1919.....	21,215	143,199.00
1909.....	40,890	269,772.80	1920.....	34,129	529,484.00
1910.....	46,620	324,316.75			

¹ No statistics available.

Freight traffic, 1920.

[Navigation season, Mar. 15 to Dec. 31.]

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals.....			26,972	\$228,179	\$268,034	95	1-2
Coal.....	15,854			40,917			
Sand.....	10,917			938			
Clay.....	201						
Ores, metals, and manufactures of, except machinery and vehicles: Iron....	7,157		7,157	261,450	261,450		
Total.....	34,129		34,129		529,484		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Nonmetallic minerals.....	26, 972	\$268, 034
Ores, metals, and manufactures of, except machinery and vehicles.....	7, 157	261, 450
Total.....	34, 129	529, 484

Vessel classification, 1920.

All freight was carried on scows, barges, and canal boats, drawing from 7 to 9 feet.

NEW HAVEN HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	2, 205, 813	(1)	1908.....	1, 921, 123	(1)
1892.....	3, 143, 000	(1)	1909.....	1, 429, 809	(1)
1894.....	3, 184, 000	(1)	1910.....	2, 105, 184	(1)
1895.....	3, 295, 900	(1)	1911.....	1, 995, 401	(1)
1896.....	3, 052, 000	(1)	1912.....	2, 080, 122	\$140, 698, 765. 65
1899.....	3, 440, 700	(1)	1913.....	2, 096, 135	123, 093, 132. 96
1900.....	3, 472, 200	(1)	1914.....	1, 704, 854	105, 459, 519. 16
1901.....	3, 737, 049	(1)	1915.....	1, 792, 856	99, 561, 097. 40
1902.....	2, 086, 990	(1)	1916.....	2, 263, 804	132, 445, 728. 00
1903.....	2, 257, 197	(1)	1917 ¹	1, 868, 649	143, 736, 132. 00
1904.....	1, 511, 427	(1)	1918 ²	2, 181, 082	176, 768, 543. 00
1905.....	2, 126, 232	(1)	1919.....	1, 468, 284	253, 010, 816. 00
1906.....	1, 847, 633	(1)	1920 ²	1, 766, 805	192, 930, 415. 00
1907.....	1, 875, 295	(1)			

¹ No statistics available.

² Carried 78,130 passengers in 1917, 49,315 in 1918, and 1,218 in 1920.

Freight traffic, 1920.

FOREIGN.

[Navigation season, Jan. 1 to Dec. 31.]

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper.....		1, 991		\$43, 369
Boards, planks, and other sawed lumber.....	572		\$13, 715 ¹	
Wood pulp.....	1, 419		29, 654	
Nonmetallic minerals: Rock plaster.....	1, 850	1, 850	4, 626	4, 626
Total.....	3, 841	3, 841		47, 995

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.			31, 204		\$714, 871	Miles.	Cents.
Meat, poultry, eggs.		85		\$100, 000			
Leather.	5			10, 000			
Fish, except oysters.		24		4, 800			
Oysters.	30, 763			598, 783			
Oyster shells.	327			1, 308			
Vegetable food products, oil seeds, expressed oils, and beverages.			8, 163		1, 568, 240		
Grain.		900		90, 000			
Vegetables.		238		24, 240			
Fruit, nuts.		650		130, 000			
Coffee, tea, spices.		75		64, 000			
Sugar.		6, 300		1, 280, 000			
Other vegetable products, except fibers and wood.			280		145, 000		
Tobacco.		130		130, 000			
Miscellaneous vegetable products.		150		15, 000			
Textiles.			4, 305		3, 421, 000		
Cotton.		3, 705		1, 221, 000			
Miscellaneous textile products.		600		2, 200, 000			
Wood and paper.			9, 244		281, 429		
Logs, timber.	416			20, 800			
Boards, planks, and sawed lumber.	7, 598			221, 265		400	2
Paper base stock.	1, 230			39, 384			
Nonmetallic minerals.			1, 414, 467		17, 432, 978		
Coal, anthracite.	227, 282			2, 731, 300		100	1-1½
Coal, bituminous.	1, 092, 644			12, 211, 582		100	1-1½
Gasoline.	18, 790			1, 192, 267			
Gas and fuel oil.	20, 419			498, 223			
Illuminating oil.	2, 360			87, 745			
Lubricating oil.	581			153, 920			
Stone and sand.	26, 246			94, 919			
Stone.	832			8, 599			
Sand.	9, 284			22, 895		65	2½
Cement.	6, 164			79, 769		200	1½
Clay and clay products.	5, 670			24, 074		120	1½
Bricks.	856			8, 560		120	1
Plaster.	1, 097			21, 946		90	2
Plaster board.		104		3, 202			
Other clay products.	338			5, 997			
Other nonmetallic minerals.		1, 800		288, 000			
Ores, metals, and manufactures of, except machinery and vehicles.			25, 437		11, 858, 800		
Iron, steel.	6, 158			310, 400			
Aluminum, antimony.	50			35, 000			
Copper, brass, and bronze.	10			12, 000			
Other ores, metals, alloys.	19, 219			11, 501, 400			
Machinery and vehicles:							
Vehicles, including autos.		330	330	264, 000	264, 000		
Chemicals.			27, 070		1, 287, 442		
Chemicals except coal tar.		10, 984		628, 000			
Pigments, oils, paints.		1, 920		175, 440			
Fertilizers.	14, 166			487, 002		80	2
Unclassified: Miscellaneous.		73, 630	73, 630	73, 141, 400	73, 141, 400		
Total.	1, 492, 506	101, 625	1, 594, 130		110, 115, 160		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.			81,818		\$1,724,925	Miles.	Cents.
Meats, poultry, eggs.		650		\$280,000			
Oysters.	71,972			1,439,440			
Oyster shells.	9,196			25,485			
Vegetable food products, oil seeds, expressed oils, and beverages.			450		76,000		
Fodders and feeds.		200		16,000			
Sugar.		250		60,000			
Other vegetable products, except fibers and wood.			1,900		6,725,000		
Rubber manufactures.		1,650		6,600,000			
Seeds for sowing.		250		125,000			
Wood and paper: Paper except printed matter.		200	200	10,000	10,000		
Nonmetallic minerals.			18,355		161,735		
Coal, anthracite.	10,876			91,165			
Coal, bituminous.	2,702			26,935			
Stone.	400			3,583			
Sand.	315			899			
Fire brick.	257			4,173			
Plaster.	825			15,647			
Cement.		2,980		19,343			
Ores, metals, and manufactures of, except machinery and vehicles.			8,070		14,306,000		
Iron, steel.	6,670			12,762,000			
Copper, brass, bronze.	800			584,000			
Clocks, parts.		600		980,000			
Machinery and vehicles.			120		104,000		
Other machinery except agricultural.		100		80,000			
Agricultural machinery.		20		24,000			
Chemicals.			2,844		1,540,000		
Chemicals, except coal tar.		1,344		40,000			
Explosives, ammunition.		1,500		1,500,000			
Unclassified.			55,077		58,119,600		
Musical instruments.		200		140,000			
Toys, athletic and sporting goods.		75		150,000			
Miscellaneous.		54,802		57,829,600			
Total.	104,013	64,821	168,834		82,767,260		
Total receipts and shipments, coastwise.	1,596,518	166,446	1,762,964		192,882,420		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			113,022	\$2,439,796	113,022	\$2,439,796
Vegetable food products, oil seeds, expressed oils, and beverages.....			8,613	1,644,240	8,613	1,644,240
Other vegetable products, except fibers and wood.....			2,180	6,870,000	2,180	6,870,000
Textiles.....			4,305	3,421,000	4,305	3,421,000
Wood and paper.....	1,991	\$43,369	9,444	291,429	11,435	334,798
Nonmetallic minerals.....	1,850	4,626	1,432,822	17,594,713	1,434,672	17,599,339
Ores, metals, and manufactures of, except machinery and vehicles.....			33,507	26,164,800	33,507	26,164,800
Machinery and vehicles.....			450	368,000	450	368,000
Chemicals.....			29,914	2,827,442	29,914	2,827,442
Unclassified.....			128,707	131,261,000	128,707	131,261,000
Total.....	3,841	47,995	1,762,964	192,882,420	1,766,805	192,930,415

Vessel classification, 1920.

Barges and scows carry the bulk of the freight, but schooners, canal boats, and miscellaneous vessels are used. Draft varies from 5 to 20 feet.

Two regular steamboat lines make daily trips to New York. One of these carried passengers and freight for three months, the remaining nine months freight only. The other line carries freight only.

MILFORD HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1909.....	11,765	(1)	1911.....	34,350	(1)
1902.....	14,534	(1)	1912.....	12,043	\$108,125.44
1903.....	20,181	(1)	1913.....	12,570	101,578.96
1904.....	21,304	(1)	1914.....	18,464	181,739.85
1905.....	19,230	(1)	1915.....	13,312	68,325.94
1906.....	26,815	(1)	1916.....	10,816	65,004.40
1907.....	23,989	(1)	1917.....	19,123	80,141.00
1908.....	28,587	(1)	1918.....	10,827	108,275.00
1909.....	22,617	(1)	1919.....	8,606	73,971.00
1910.....	22,327	(1)	1920.....	1,286	15,018.00

¹ No statistics available.

[Navigation season, Mar. 24 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oysters.....	19	.....	19	\$990	\$990	Miles.	Cents.
Nonmetallic minerals: Coal, anthracite.....	1,267	.....	1,267	14,028	14,028	75	1½
Total.....	1,286	.....	1,286	.....	15,018	.....	.....

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	19	\$990
Nonmetallic minerals.....	1,267	14,028
Total.....	1,286	15,018

Vessel classification, 1920.

Coal was carried by barges, and oysters by motor boat.

HOUSATONIC RIVER, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1892.....	202,325	(1)	1907.....	81,163	(1)
1893.....	159,830	(1)	1908.....	77,895	(1)
1894.....	(1)	(1)	1909.....	81,455	(1)
1895.....	(1)	(1)	1910.....	78,714	(1)
1896.....	79,647	(1)	1911.....	97,086	(1)
1897.....	83,200	(1)	1912.....	96,009	\$634,554.22
1898.....	77,090	(1)	1913.....	114,183	1,023,558.99
1899.....	64,712	(1)	1914.....	114,968	1,131,813.54
1900.....	249,185	(1)	1915.....	141,553	1,549,338.10
1901.....	146,105	(1)	1916.....	169,340	2,248,793.00
1902.....	40,793	(1)	1917.....	300,047	3,644,347.00
1903.....	54,587	(1)	1918.....	330,670	3,358,191.00
1904.....	57,070	(1)	1919.....	208,879	3,520,132.00
1905.....	67,938	(1)	1920.....	252,446	4,850,999.00
1906.....	54,496	(1)			

¹ No statistics available.

[Navigation season, Mar. 24 to Dec. 30.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities, bulk.	By classes.	By commodities.	By classes.		
RECEIPTS, COASTWISE.					<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals.....		252,246		\$4,840,999	75	1½
Coal.....	208,722		\$2,182,141			
Gasoline.....	35,077		2,204,779			
Illuminating oil.....	3,745		139,247			
Lubricating oil.....	2,172		305,977			
Sand.....	2,530		8,855			
Ores, metals, and manufactures of, except machinery and vehicles: Iron.....	200	200	10,000	10,000		
Total.....	252,446	252,446		4,850,999		

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Nonmetallic minerals.....	252,246	\$4,840,999
Ores, metals, and manufactures of, except machinery and vehicles.....	200	10,000
Total.....	252,446	4,850,999

Vessel classification, 1920.

The bulk of the freight was carried in box barges and scows, except the petroleum products, which were carried in small tank steamers. The draft was from 6 to 10½ feet.

BRIDGEPORT HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	1,314,157	(1)	1907.....	1,008,543	(1)
1892.....	1,324,190	(1)	1908.....	890,995	(1)
1894.....	968,959	(1)	1909.....	1,117,131	(1)
1895.....	1,045,769	(1)	1910.....	959,392	(1)
1896.....	1,030,451	(1)	1911.....	1,007,147	(1)
1897.....	1,081,973	(1)	1912.....	1,023,319	\$44,265,501.02
1898.....	1,196,563	(1)	1913.....	1,083,047	43,727,073.50
1899.....	1,014,564	(1)	1914 ¹	1,039,398	67,003,507.55
1900.....	1,163,960	(1)	1915 ²	1,135,623	71,061,781.90
1901.....	1,131,322	(1)	1916 ²	1,548,325	109,889,957.00
1902.....	860,056	(1)	1917 ²	1,588,056	124,522,773.00
1903.....	797,390	(1)	1918 ²	1,604,904	138,999,392.00
1904.....	864,400	(1)	1919.....	1,116,067	119,039,055.00
1905.....	944,029	(1)	1920 ²	1,280,323	130,982,232.00
1906.....	951,244	(1)			

¹ No statistics available.² Passengers carried: 1914, 96,892; 1915, 121,270; 1916, 153,963; 1917, 126,779; 1918, 89,342; 1920, 28,642.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber	3,730	3,730	\$92,049	\$92,049

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.....			12,710		\$128,223	Miles.	Cents.
Horses.....		12		\$4,000		12	
Cattle.....		1		300		12	
Clams.....		70		1,400			
Oysters.....	4,683			108,816			
Oyster shells.....	7,944			13,707		15	
Vegetable food products, oil seeds, expressed oils, and beverages.....			3,314		584,750		
Vegetables.....		1,550		310,000		55	
Fruits—Nuts.....		328		65,200		55	
Sugar.....		452		135,600		55	
Beverages.....		986		73,950		55	
Other vegetable products, except fibers and wood.....			577		386,320		
Rubber.....		95		142,500		55	
Naval stores.....		191		98,320		55	
Dyeing material.....		291		145,500		55	
Textiles.....			2,832		8,926,200		
Miscellaneous textiles.....		2,409		8,672,400		55	
Cotton.....		423		253,800		55	
Wood and paper—Lumber.....	1,988		1,988	128,067	128,067		
Nonmetallic minerals.....			1,009,764		11,035,682		
Coal, anthracite.....	307,849			2,913,073		60	1 to 2
Coal, bituminous.....	372,340			3,643,705		60	1 to 2
Coke.....	14,025			129,688			
Oil, fuel.....	16,530			397,193		60	
Oil, lubricating.....	434			86,800		60	
Gasoline.....	58,387			3,270,456		60	
Oil, illuminating.....	450			27,270		60	
Cement.....		1,119		20,125			
Clay.....	540			3,324		60	1 1/2
Sand.....	230,922			502,408		28	1.6
Stone.....	6,775			11,294		55	
Plaster.....	308			6,013			
Brick.....	2,045			24,343			
Ores, metals, and manufactures of, except machinery and vehicles.....			55,667		5,573,242		
Iron, pig.....	42,126			1,744,193		160	1
Cast iron, scrap.....	500			10,976			
Brass.....	4,953			2,069,500			
Other alloys, metal.....	4,139			1,345,175			
Steel.....	2,973			350,000			
Crucibles.....	380			18,900			
Pipe, iron.....	596			34,498			

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—CON.						<i>Miles.</i>	<i>Cents.</i>
Machinery and vehicles			1,918		\$2,343,000		
Vehicles, including automobiles		1,504		\$1,804,800			
Machinery except agricultural		414		538,200			
Chemicals			13,180		420,466		
Fertilizer	6,572			214,600			
Chemicals	6,608			205,866		55	
Unclassified			71,048		56,824,000		
Manufactured articles		72		43,200		55	
General merchandise		70,976		56,780,800		55	
Total	1,092,107	80,891	1,172,998		86,349,950		
SHIPMENTS, COASTWISE.							
Animal and animal products, except wool and hair			5,613		170,460		
Horses		7		2,400			
Cattle		3		550			
Meat and poultry		145		61,625			
Oysters	4,404			100,446			
Oyster shells	1,054			5,439			
Vegetable food products, oil seeds, expressed oils, and beverages			480		89,775		
Vegetables		401		80,200			
Sugar		5		1,800			
Groceries		74		7,775			
Textiles: Miscellaneous textiles		4,470	4,470	16,092,000	16,092,000		
Wood and paper: Boards, planks, and sawed lumber	192		192	3,960	3,960		
Nonmetallic minerals: Sand	19,845		19,845	28,381	28,381		
Ores, metals, and manufactures of, except machinery and vehicles			39,955		4,395,841		
Steel billets	21,590			999,243			
Iron and steel	1,507			170,278			
Other ores and metal alloys	6,208			2,017,600			
Steel crops	650			8,720			
Fittings—valves		10,000		1,200,000			
Machinery and vehicles			2,538		2,714,400		
Power machinery except electric		58		46,400			
Machinery, except agricultural		770		616,000			
Vehicles, including automobiles		1,710		2,052,000			
Chemicals			424		59,708		
Sulphate of ammonia		270		31,100			
Chemicals		154		28,608			
Unclassified			29,978		20,985,708		
Miscellaneous manufactured articles		10		6,000			
Musical instruments		1,641		800,808			
General merchandise		28,327		20,178,900			
Total	55,450	48,045	103,495		44,540,233		
Total receipts and shipments	1,147,557	128,936	1,276,493		130,890,183		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			18,323	\$298,683	18,323	\$298,683
Vegetable food products, oil seeds, expressed oils and beverages.....			3,794	674,525	3,794	674,525
Other vegetable products, except fibers and wood.....			577	386,320	577	386,320
Textiles.....			7,302	25,018,200	7,302	25,018,200
Wood and paper.....	3,730	\$92,049	2,180	132,027	5,910	224,076
Nonmetallic minerals.....			1,029,609	11,064,063	1,029,609	11,064,063
Ores, metals, and manufactures of, except machinery and vehicles.....			95,622	9,969,083	95,622	9,969,083
Machinery and vehicles.....			4,456	5,057,400	4,456	5,057,400
Chemicals.....			13,604	480,174	13,604	480,174
Unclassified.....			101,026	77,809,708	101,026	77,809,708
Total.....	3,730	92,049	1,276,493	130,890,183	1,280,223	130,982,232

Vessel classification, 1920.

Barges and scows carry the bulk of the freight, but schooners, canal boats, and miscellaneous vessels are used. Draft varies from 5 to 20 feet; about 80 per cent of the commerce is carried on a draft of about 14 feet.

Two regular steamboat lines run to New York and one to Port Jefferson, L. I.

SOUTHPORT HARBOR, CONN.

No commerce of any amount has been reported for a number of years. The harbor is used principally by pleasure boats, about 50 making headquarters at Southport. These boats are from 15 feet in length up to 150 feet.

WESTPORT HARBOR AND SAUGATUCK RIVER, CONN.

Comparative statement of traffic.

Year	Tons.	Value.	Year.	Tons.	Value.
1894.....	23,200	(1)	1908.....	11,504	\$13,655.00
1895.....	28,940	\$992,250.00	1909.....	12,873	50,609.80
1896.....	33,507	(1)	1910.....	13,634	65,034.50
1897.....	(1)	(1)	1911.....	14,011	56,076.87
1898.....	22,550	(1)	1912.....	17,090	93,276.86
1899.....	20,500	(1)	1913.....	13,921	70,510.23
1900.....	18,700	(1)	1914.....	15,612	60,879.55
1901.....	13,626	(1)	1915.....	(1)	(1)
1902.....	13,379	(1)	1916.....	18,694	83,002.00
1903.....	16,426	(1)	1917.....	10,513	59,042.00
1904.....	25,461	394,843.25	1918.....	8,390	71,940.00
1905.....	27,845	474,014.00	1919.....	5,720	54,030.00
1906.....	16,665	158,694.16	1920.....	4,521	44,414.00
1907.....	13,027	58,802.60			

¹ No statistics available.

[Navigation season, Mar. 30 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average hauls.	Rate per ton-mile.
	By commodities, bulk.	By classes.	By commodities.	By classes.		
RECEIPTS, COASTWISE.					Miles.	Cents.
Nonmetallic minerals.....		4,521		\$44,414	58	2½
Coal, anthracite.....	4,137		\$40,519			
Coal, bituminous.....	384		3,895			
Total.....	4,521	4,521		44,414		

Vessel classification, 1920.

All coal was carried in barges, an average load being about 400 tons, draft 6 to 9 feet. About 12 pleasure boats make the river their home port.

NORWALK HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	312,500	(1)	1908.....	199,465	(1)
1891.....	368,500	(1)	1909.....	222,787	(1)
1894.....	136,800	(1)	1910.....	234,191	(1)
1895.....	201,065	(1)	1911.....	206,248	(1)
1896.....	146,045	(1)	1912.....	243,669	\$21,186,030.71
1899.....	164,755	(1)	1913.....	247,968	22,568,126.89
1900.....	172,275	(1)	1914.....	206,467	11,463,619.10
1901.....	150,014	(1)	1915.....	237,391	33,174,097.08
1902.....	194,800	(1)	1916.....	247,419	31,418,526.00
1903.....	223,392	(1)	1917.....	194,949	13,904,060.00
1904.....	199,599	(1)	1918.....	161,848	28,207,334.00
1905.....	236,015	(1)	1919.....	129,666	1,178,014.00
1906.....	251,759	(1)	1920.....	115,796	1,454,854.00
1907.....	207,640	(1)			

¹ No statistics available.

[Navigation season, Mar. 21 to Dec. 31.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Paper base stock, wood pulp.....	4,285	4,285	\$134,380	\$134,380

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			18,323	\$298,653	18,323	\$298,653
Vegetable food products, oil seeds, expressed oils and beverages.....			3,794	674,525	3,794	674,525
Other vegetable products, except fibers and wood.....			577	386,320	577	386,320
Textiles.....			7,302	25,018,200	7,302	25,018,200
Wood and paper.....	3,730	\$92,049	2,180	132,027	5,910	224,076
Nonmetallic minerals.....			1,029,609	11,064,063	1,029,609	11,064,063
Ores, metals, and manufactures of, except machinery and vehicles.....			95,622	9,969,063	95,622	9,969,063
Machinery and vehicles.....			4,456	5,057,400	4,456	5,057,400
Chemicals.....			13,604	480,174	13,604	480,174
Unclassified.....			101,026	77,809,708	101,026	77,809,708
Total.....	3,730	92,049	1,276,493	130,890,183	1,280,223	130,982,232

Vessel classification, 1920.

Barges and scows carry the bulk of the freight, but schooners, canal boats, and miscellaneous vessels are used. Draft varies from 5 to 20 feet; about 80 per cent of the commerce is carried on a draft of about 14 feet.

Two regular steamboat lines run to New York and one to Port Jefferson, L. I.

SOUTHPORT HARBOR, CONN.

No commerce of any amount has been reported for a number of years. The harbor is used principally by pleasure boats, about 50 making headquarters at Southport. These boats are from 15 feet in length up to 150 feet.

WESTPORT HARBOR AND SAUGATUCK RIVER, CONN.

Comparative statement of traffic.

Year	Tons.	Value.	Year.	Tons.	Value.
1894.....	23,200	(1)	1908.....	11,504	\$13,655.00
1895.....	28,940	\$992,250.00	1909.....	12,873	50,609.80
1896.....	33,507	(1)	1910.....	13,634	65,034.50
1897.....	(1)	(1)	1911.....	14,011	56,076.87
1898.....	22,550	(1)	1912.....	17,090	93,276.88
1899.....	20,500	(1)	1913.....	13,921	70,510.23
1900.....	18,700	(1)	1914.....	15,612	60,879.55
1901.....	13,626	(1)	1915.....	(1)	(1)
1902.....	13,379	(1)	1916.....	18,694	83,002.00
1903.....	16,426	(1)	1917.....	10,513	59,042.00
1904.....	25,461	394,843.25	1918.....	8,390	71,940.00
1905.....	27,845	474,014.00	1919.....	5,720	54,030.00
1906.....	16,665	158,694.16	1920.....	4,521	44,414.00
1907.....	13,027	58,902.60			

¹ No statistics available.

[Navigation season, Mar. 30 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average hauls.	Rate per ton-mile.
	By commodities, bulk.	By classes.	By commodities.	By classes.		
RECEIPTS, COASTWISE.					<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals.....		4,521		\$44,414	58	2½
Coal, anthracite.....	4,137		\$40,519			
Coal, bituminous.....	384		3,895			
Total.....	4,521	4,521		44,414		

Vessel classification, 1920.

All coal was carried in barges, an average load being about 400 tons, draft 6 to 9 feet. About 12 pleasure boats make the river their home port.

NORWALK HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	312,500	(¹)	1908.....	199,465	(¹)
1891.....	368,500	(¹)	1909.....	222,787	(¹)
1894.....	136,800	(¹)	1910.....	234,191	(¹)
1895.....	201,095	(¹)	1911.....	206,248	(¹)
1896.....	146,046	(¹)	1912.....	243,669	\$21,189,030.71
1899.....	164,755	(¹)	1913.....	247,968	22,568,126.89
1900.....	172,275	(¹)	1914.....	206,467	11,463,619.10
1901.....	150,014	(¹)	1915.....	237,391	33,174,097.08
1902.....	194,800	(¹)	1916.....	247,419	31,418,526.00
1903.....	223,392	(¹)	1917.....	194,949	13,904,060.00
1904.....	199,599	(¹)	1918.....	161,848	28,207,334.00
1905.....	236,015	(¹)	1919.....	129,666	1,178,014.00
1906.....	251,759	(¹)	1920.....	115,796	1,464,854.00
1907.....	207,640	(¹)			

¹ No statistics available.

[Navigation season, Mar. 21 to Dec. 31.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Paper base stock, wood pulp.....	4,285	4,285	\$134,380	\$134,380

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities, bulk.	By classes.	By commodities.	By classes.		
RECEIPTS, COASTWISE.						
Animals and animal products, except wool and hair.....		28,420		\$384,982	Miles.	Cents.
Oysters.....	21,530		\$376,094			
Oyster shells.....	6,890		8,268			
Wood and paper.....		8,337		275,595	400	1½
Boards, planks, sawed lumber.....	291		10,077			
Paper base stocks.....	8,046		265,518			
Nonmetallic minerals.....		69,636		651,387	60	2
Coal, anthracite.....	41,901		415,304			
Coal, bituminous.....	21,660		216,892			
Sand.....	5,572		13,544			
Clay.....	37		148			
Bricks.....	466		5,499			
Total.....	106,393	106,393		1,311,944		
SHIPMENTS COASTWISE.						
Animals and animal products, except wool and hair: Oyster shells.....	5,118	5,118	8,530	8,530		
Total receipts and shipments.....	111,511	111,511		1,320,474		

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			33,538	\$393,492	33,538	\$393,492
Wood and paper.....	4,285	\$134,390	8,337	275,595	12,622	409,975
Nonmetallic minerals.....			69,636	651,387	69,636	651,387
Total.....	4,285	134,390	111,511	1,320,474	115,796	1,454,854

Vessel classification, 1920.

There was no regular steamboat line running during the season of 1920.

The average draft for vessels entering Norwalk Harbor was 12 feet. A few schooners draw up to 16 feet, while the smaller oyster boats draw around 6 to 8 feet. Freight was carried for the most part in box barges, scows, schooners, and oyster boats.

FIVEMILE RIVER HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891.....	10,000	(1)	1909.....	22,265	(1)
1894.....	11,298	(1)	1910.....	15,552	(1)
1895.....	11,298	(1)	1911.....	12,278	(1)
1897.....	17,160	(1)	1912.....	11,570	\$165,897.37
1900.....	32,600	(1)	1913.....	14,725	171,229.94
1901.....	28,400	(1)	1914.....	10,118	140,316.58
1902.....	9,128	(1)	1915.....	2,498	31,399.60
1903.....	13,123	(1)	1916.....	2,984	44,436.00
1904.....	8,276	(1)	1917.....	1,435	19,931.00
1905.....	16,551	(1)	1918.....	1,103	18,994.00
1906.....	9,712	(1)	1919.....	1,279	20,629.00
1907.....	10,238	(1)	1920.....	561	64,140.00
1908.....	21,986	(1)			

1 No statistics available.

[Navigation season, Mar. 24 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹
	By commodities, bulk.	By classes.	By commodities.	By classes.		
RECEIPTS, COASTWISE.						
Animals and animal products, except wool and hair.....		396		\$59,306	Miles. 5	
Oysters.....	296		\$8,466			
Oyster shells.....	27		40			
Lobsters.....	73		50,800			
Nonmetallic minerals: Sand.....	12	12	18	18	2	
Total.....	408	408		59,324		
SHIPMENTS, COASTWISE.						
Animals and animal products, except wool and hair: Oysters.....	153	153	4,816	4,816	5	
Total receipts and shipments....	561	561		64,140		

1 No rate; hauled in owners' boats.

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	549	\$64,122
Nonmetallic minerals.....	12	18
Total.....	561	64,140

Vessel classification, 1920.

All freight traffic was carried in 12 power boats from 18 to 45 feet in length and drawing from 2 to 7 feet. About 40 pleasure boats from 15 to 45 feet in length make the harbor headquarters.

STAMFORD HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1892.....	154,607	(1)	1907.....	255,006	(1)
1893.....	233,339	(1)	1908.....	343,810	(1)
1894.....	199,964	(1)	1909.....	264,615	(1)
1895.....	220,506	(1)	1910.....	251,510	(1)
1896.....	373,758	(1)	1911.....	280,469	(1)
1897.....	(1)	(1)	1912.....	302,272	\$14,955,811.10
1898.....	252,183	(1)	1913.....	332,576	15,994,034.84
1899.....	257,687	(1)	1914.....	263,331	10,456,050.08
1900.....	266,878	(1)	1915.....	356,768	17,843,810.04
1901.....	(1)	(1)	1916.....	401,359	22,708,426.88
1902.....	166,617	(1)	1917.....	315,159	19,258,529.00
1903.....	210,809	(1)	1918.....	277,955	28,355,122.00
1904.....	261,734	(1)	1919.....	223,962	27,479,304.00
1905.....	222,125	(1)	1920.....	267,121	26,826,035.00
1906.....	249,175	(1)			

¹ No statistics available.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Other vegetable products, except fibers and wood: Logwood.....	3,442	3,442	\$103,456	\$103,456
Wood and paper: Lumber.....	1,089	1,069	30,190	30,190
Total.....		4,531		133,646

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Vegetable food products, oil seeds, expressed oils and beverages.			6,143			Miles.	Cents.
Cocoa beans.		4,446		\$1,100,790	\$1,503,790		
Sugar.		1,697		403,000			
Other vegetable products, except fibers and wood:							
Logwood.	478		478	71,544	71,544		
Wood and paper: Lumber.	715		715	28,236	28,236		
Nonmetallic minerals.			212,536		1,970,244		
Coal.	123,893			1,215,326		45	2
Petroleum.	10,000			432,505		40	
Stone, cement and plaster.	64,478			178,219		90	1½
Clay products.	11,214			128,997			
Bricks.	2,951			20,197			

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-m ile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—CON.							
Ores, metals, and manufactures of, except machinery and vehicles: Iron.....	300		300	\$45,000	\$45,000	Miles.	Cents.
Unclassified: Miscellaneous.....		24,592	24,592	12,296,000	12,296,000		
Total.....	214,029	30,735	244,764		15,914,814		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals.....			3,233		116,765		
Clay.....	1,114			49,490			
Other clay products.....	2,119			67,275			
Ores, metals, and manufactures of, except machinery and vehicles: Other ores, metals, alloys, and metal manufactures.....		1,351	1,351	3,377,710	3,377,710		
Unclassified: Miscellaneous.....	13,242		13,242	7,283,100	7,283,100	38	1.7
Total.....	16,475	1,351	17,826		10,777,575		
Total receipts and shipments.....	230,504	32,086	262,590		26,692,389		

SUMMARY.

Classes and commodities.	Foreign.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products: Oil seeds, expressed oils, and beverages.....			6,143	\$1,503,790	6,143	\$1,503,790
Other vegetable products, except fibers and wood.....	3,442	\$103,456	478	71,544	3,920	175,000
Wood and paper.....	1,089	30,190	715	28,236	1,804	58,426
Nonmetallic minerals.....			215,769	2,087,009	215,769	2,087,009
Ores, metals, and manufactures of, except machinery and vehicles.....			1,661	3,422,710	1,651	3,422,710
Unclassified.....			37,834	19,579,100	37,834	19,579,100
Total.....	4,531	133,646	262,590	26,692,389	267,121	26,826,035

Vessel classification.

The bulk of the traffic is handled in barges and on deck scows, although schooners are used to some extent as well as canal boats. A regular steamboat line runs between Stamford and New York.

GREENWICH HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894.....	110,000	(1)	1910.....	93,182	\$9,600,046.95
1897.....	198,500	(1)	1911.....	101,500	9,323,250.00
1901.....	355,000	(1)	1912.....	113,831	9,747,163.00
1902.....	131,034	(1)	1913.....	116,570	8,582,337.00
1903.....	120,173	(1)	1914.....	119,677	6,550,723.00
1904.....	73,951	\$1,469,752	1915.....	96,632	2,656,780.68
1905.....	92,000	3,466,000	1916.....	139,704	239,121.47
1906.....	106,348	3,889,500	1917 ¹	112,198	397,884.00
1907.....	80,730	3,334,400	1918 ²	77,025	80,230.00
1908.....	76,160	9,778,000	1919.....	80,717	4,564.00
1909.....	79,727	8,884,960	1920.....	91,090	4,830.00

¹ No statistics available.² Carried 40,000 passengers in 1917 and 28,000 in 1918.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber.....	245	245	\$5,126	\$5,126

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities, bulk.	By classes.	By commodities.	By classes.		
RECEIPTS, COASTWISE.						
Wood and paper: Lumber	234	234	\$7,161	\$7,161	Miles. 600	Cents.
Nonmetallic minerals.....		90,611		816,543	40	24-3
Coal.....	35,612		336,704			
Petroleum products.....	5,394		336,720			
Cement.....	2,541		45,937			
Stone and sand.....	45,206		75,379			
Brick.....	1,230		10,141			
Clay products.....	628		11,662			
Total.....	90,845	90,845		823,704		

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	245	\$5,126	234	\$7,161	479	\$12,287
Nonmetallic minerals.....			90,611	816,543	90,611	816,543
Total.....	245	5,126	90,845	823,704	91,090	828,830

Vessel classification.

During the year 1920 there was no steamboat line or ferry in operation as in previous years. Most of the freight was carried in schooners drawing from 6 to 14 feet or barges drawing from 10 to 12 feet, or oil tankers drawing not over 12 feet.

Freight was handled in approximately 12 schooners and 125 barges and 5 oil tankers. There are 6 power fishing boats operating in the vicinity of Greenwich, and about 75 pleasure boats make this harbor their home port.

HARBOR AT BRISTOL, R. I.

[Navigation season, the entire year.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals: Coal, anthracite.....	14,803		14,803	\$148,000	\$148,000	180	(1)
RECEIPTS, INTRAPORT.							
Animals and animal products, unclassified.....		200	200	60,000	60,000	21	7.727
Vegetable food products, unclassified.....		130	130	13,000	13,000	16	9.062
Other vegetable products, unclassified.....		50	50	10,000	10,000	16	9.062
Textiles, unclassified.....		3,000	3,000	2,500,000	2,500,000	16	9.062
Nonmetallic minerals.....			8,112		89,100		
Coal, bituminous.....	8,102			89,000		9	(2)
Unclassified.....		10		100		10	12.000
Ores, metals, and manufactures of, unclassified.....		400	400	40,000	40,000	10	12.000
Machinery and vehicles, unclassified.....		20	20	40,000	40,000	16	9.062
Total.....	8,102	3,810	11,912		2,752,100		
SHIPMENTS, INTRAPORT.							
Animals and animal products.....			40		3,360		
Oyster shells.....	30			360		8	6.250
Unclassified.....		10		3,000		16	9.062
Vegetable food products, unclassified.....		20	20	2,000	2,000	16	9.062
Total.....	30	30	60		5,360		
Total receipts and shipments intraport.....	8,132	3,840	11,972		2,757,460		
RECEIPTS, INTERNAL.							
Animals and animal products, fish.....	22		22	2,507	2,507		
Total.....	22		22		2,507		

¹ No data available.

² In vessels owned by shipper or consignee; no data available.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....			262	\$65,867	262	\$65,867
Vegetable food products.....			150	62,000	150	62,000
Other vegetable products.....			50	10,000	50	10,000
Textiles.....			3,000	2,500,000	3,000	2,500,000
Nonmetallic minerals.....	14,803	\$148,000	8,112	89,100	22,915	237,100
Ores, metals, and manufac- tures of.....	-		400	40,000	400	40,000
Machinery and vehicles.....			20	40,000	20	40,000
Total.....	14,803	148,000	11,964	2,806,967	26,767	2,954,967

Vessel classification.

Classes.	Total arri- vals and departures.	Net registered tonnage.
Registered:		
Steamers.....	500	42,814
Barges.....	48	12,070
Unregistered steamers (motor fishing boats).....	36	180
Total.....	644	55,064

The numbers and maximum drafts (so far as ascertainable) of the various classes of vessels are:

"Registered steamers"—557 freight steamers, 12 feet; 3 freight motor boats.

"Registered barges"—48 coal barges, 9 feet.

HARBOR AT TIVERTON, R. I.

[Navigation season, the entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Nonmetallic minerals: Crude oil (bulk).....	19,917	19,917	\$256,036	\$256,036

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and paper: Spruce-hemlock lumber.....	168	.....	168	\$5, 280	\$5, 280	Miles. 272	Cents. 1. 050
Nonmetallic minerals: Coal, anthracite.....	1, 700	.....	1, 700	20, 000	20, 000	187	(1)
Total.....	1, 868	.....	1, 868	.....	25, 280	.....	.....
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Fuel oil.....	4, 800	.....	4, 800	55, 680	55, 680	234	(1)
Total receipts and shipments, coastwise.....	6, 668	.....	6, 668	.....	80, 960	.....	.....
RECEIPTS, INTRAPORT.							
Animals and animal products: Oysters.....	.....	373	373	6, 919	6, 919	10	(2)
SHIPMENTS, INTRAPORT.							
Nonmetallic minerals: Fuel oil.....	16, 480	.....	16, 480	191, 138	191, 138	23	(1)
Total receipts and shipments intraport.....	16, 480	373	16, 853	.....	198, 057	.....	.....
RECEIPTS, INTERNAL.							
Animals and animal products: Fish.....	84	.....	84	11, 920	11, 920	5	(2)

¹ No data available.² In boats owned by shippers or consignees; no data.

SUMMARY.

Classes and commodities.	Foreign imports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....					457	\$18, 839	457	\$18, 839
Wood and paper.....			168	\$5, 280			168	5, 280
Nonmetallic minerals.....	19, 917	\$256, 036	6, 500	75, 680	16, 480	191, 138	42, 897	522, 854
Total.....	19, 917	256, 036	6, 668	80, 960	16, 937	209, 977	43, 522	546, 973

Vessel classification.

Classes.	Total arrivals and departures.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steamers.....	97	2	99	17,414
Sail schooner.....	1		1	94
Barges.....	6		6	4,366
Unregistered:				
Steamers (motor fishing boats).....	152		152	828
Barges, oil.....	16		16	8,000
Total.....	272	2	274	30,702

The number and maximum draft (so far as ascertainable) of the various classes of vessels are:

"Registered steamers"—1 American and 2 foreign tank steamers, 20 feet; 2 freight steamers, 26 feet; 17 fishing steamers, 5 feet; 36 motor fishing boats, and 1 motor driven yacht.

"Registered barges"—2 coal barges, 12.5 feet, and 4 oil tank barges, 15.5 feet.

COS COB HARBOR, CONN.

[Navigation season, Jan. 1 to Dec. 31.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities, bulk.	By classes.	By commodities.	By classes.		
RECEIPTS, COASTWISE.					Miles.	Cents.
Nonmetallic minerals.....		155,267		\$1,171,910		
Coal, anthracite.....	4,049		\$39,640		45	2
Coal, bituminous.....	148,911		1,125,878		45	2
Sand.....	1,907		3,056			
Bricks.....	400		3,296			
Total.....	155,267	155,267		1,171,910		

Vessel classification.

Barges and scows carry the bulk of the freight. Approximately 6 fishing boats and 25 pleasure boats, 20 to 35 feet long, use Cos Cob as home port.

On account of lack of water, 450 tons is the largest tonnage to Mianus.

POLLOCK RIP SHOALS, NANTUCKET SOUND, MASS.

There are no available means of determining the amount and value of the commerce passing over these shoals, as it forms a part of that reaching many of the ports of the North Atlantic coast. It has been estimated as approximately 20,000,000 tons.

The number of vessels passing the Pollock Rip Blue Light Vessel during the calendar year 1920 is reported as 7,040, of which 3,268 were steamers, 762 sailing vessels, and 3,010 barges.

NEW YORK, FIRST DISTRICT.

PORT CHESTER HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	* 160,000	(¹)	1908.....	265,000	\$7,355,000
1893.....	163,000	(¹)	1909.....	255,067	7,630,200
1895.....	73,257	(¹)	1910.....	247,223	7,370,830
1896.....	114,749	\$2,452,981	1911.....	287,280	9,165,453
1898.....	140,000	4,936,000	1912.....	255,141	7,864,067
1899.....	169,500	6,256,000	1913.....	195,605	6,350,430
1900.....	181,000	7,289,500	1914.....	199,128	5,055,017
1901.....	327,500	9,118,000	1915.....	206,556	9,976,999
1902.....	237,000	900,000	1916.....	208,897	18,159,717
1903.....	240,000	3,940,000	1917.....	210,614	18,686,375
1904.....	255,000	4,590,000	1918.....	120,336	12,292,639
1905.....	293,000	7,385,000	1919.....	156,950	13,604,691
1906.....	265,000	6,870,000	1920.....	139,106	13,049,479
1907.....	275,000	7,405,000			

¹ No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Other vegetable products except fibers and wood			3		\$790	Miles.	Cents.
Turpentine.		1			\$550	33	19
Drugs and chemicals.		2			240	33	20
Textiles.			133		87,500		
Wool.		124			90,000	33	20
Cotton.		2			2,200	33	13
Dry goods.		7			5,300	33	14
Wood and paper: Lumber and timber (sawed).	450		450	38,000	18,000	19	11
Nonmetallic minerals.			91,211		712,514		
Brick (building).	554			6,611		151	1
Brick (hollow tile).	413			10,500		54	3
Cement.		180		3,600		34	6
Gravel.	3,048			5,741		13	4
Sand.	22,513			29,292		13	4
Crushed stone.	10,745			16,214		65	2
Paving blocks.	1,008			9,087		50	2
Coal.	38,335			358,101		50	2
Sulphur.		1		110		33	14
Oil (lubricating).		4		725		33	10
Petroleum products.	3,810			272,553		33	
Ores, metals, and manufactures of, except machinery and vehicles.			1,458		51,582		
Iron (pig and scrap).	1,150			50,032		33	10
Iron (sheet and bars).		2		150		33	10
Cast-iron manufactures.		3		900		33	10
Hardware.		3		500		33	10
Machinery and vehicles: Engines and machinery.		1	1	450	450	33	19
Unclassified.			28,351		8,114,925		
Asbes.	1,000			225		33	
General merchandise.		27,351		8,114,700		33	
Total.	83,926	27,681	111,607		8,985,761		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE.							
Textile.....			165		\$447, 100	Miles.	Cents.
Felt.....		131		\$423, 000		33	20
Felt, waste.....		12		1, 100		33	17
Wool.....		22		21, 000		33	20
Nonmetallic minerals:							
Glassware.....		1	1	450	450	33	14
Ores, metals, and manufactures of, except machinery and vehicles.....			12, 062		565, 968		
Cast-iron manufactures.....		739		226, 877		33	10
Steel manufactures.....		11, 300		340, 181		33	10
Pipe, wrought iron.....		43		4, 910		33	10
Unclassified: General merchandise.....		15, 251	15, 251	3, 050, 200	3, 050, 200	33	
Total.....		27, 499	27, 499		4, 063, 718		
Total receipts and shipments.....	83, 926	55, 180	139, 106		13, 049, 479		

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Other vegetable products, except fibers and wood.....	3	\$799
Textiles.....	298	534, 680
Wood and paper.....	450	18, 000
Nonmetallic minerals.....	81, 212	712, 994
Ores, metals, and manufactures of, except machinery and vehicles.....	13, 540	617, 580
Machinery and vehicles.....	1	450
Unclassified.....	43, 602	11, 165, 125
Total.....	139, 106	13, 049, 479

Vessel classification.

Class.	American vessels.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	1	156	156	373			11
Towboats.....	13	143	143	9	62	6	9
Sailing vessels.....	2	11	11	36	50	4	6
Canal boats, lighters, barges, etc.....	64	117	117	400	1, 000	6	12
Unregistered: Canal boats, lighters, barges, etc.....	2	26	26	600	1, 000	8	11

MAMARONECK HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1888.....	24,996	\$327,392	1908.....	38,540	\$1,020,225
1893.....	29,095	482,092	1909.....	106,344	1,260,982
1897.....	51,673	877,180	1910.....	35,627	1,078,500
1898.....	(¹)	(¹)	1911.....	26,335	1,214,895
1899.....	(¹)	(¹)	1912.....	64,371	128,012
1900.....	64,685	(¹)	1913.....	118,992	970,164
1901.....	20,705	51,598	1914.....	74,985	875,106
1902.....	32,410	75,000	1915.....	57,583	1,332,886
1903.....	26,230	337,000	1916.....	36,007	1,496,100
1904.....	49,589	859,242	1917.....	35,680	1,351,927
1905.....	54,944	201,398	1918.....	33,196	1,444,088
1906.....	15,756	131,090	1919.....	45,916	1,890,485
1907.....	(¹)	(¹)	1920.....	30,112	1,920,773

¹ No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Other vegetable products, except fibers and wood:						Miles.	Cents.
Turpentine.....		2	2	\$608	\$608	28	10.7
Wood and paper: Roofing paper.....		6	6	1,843	1,843	28	10.7
Nonmetallic minerals.....			17,663		174,117		
Crushed stone.....	667			933		70	1.0
Sand.....	2,700			2,500		12	4.9
Coal.....	12,237			104,241		30	3.3
Lubricating oil.....		180		28,000		28	10.7
Pumice stone.....	1,874			37,475		32	12.5
Lubricating grease.....		4		800		28	10.7
Paraffin wax.....		1		168		28	10.7
Ores, metals and manufactures of, except machinery and vehicles: Hardware.....		19	19	8,624	8,624	28	10.7
Chemicals: Fertilizer (chemical).....		8	8	381	381	28	7.2
Unclassified.....			12,444		1,735,200		
General merchandise.....		5,779		1,733,700		28	
Ashes.....	6,665			1,500		27	
Total.....	24,143	5,999	30,142		1,920,773		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Other vegetable products, except fibers and wood.....	2	\$808
Wood and paper.....	6	1,843
Nonmetallic minerals.....	17,663	174,117
Ores, metals and manufactures of, except machinery and vehicles.....	19	8,624
Chemicals.....	8	281
Unclassified.....	12,444	1,735,200
Total.....	30,142	1,920,773

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	1	250	250		217		8
Towboats.....	13	58	58	9	75	6	9
Canal boats, lighters, barges, etc.	14	58	58	100	600	6	9

HARBOR AT ECHO BAY, N. Y.

[See also New Rochelle Harbor, N. Y.]

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1883.....	30,000	\$171,750	.....	1909.....	248,180	\$2,664,150	.....
1886.....	38,900	744,675	.....	1910.....	267,900	3,215,400	.....
1888.....	57,000	1,114,000	.....	1911.....	387,650	3,917,382	.....
1889.....	86,000	1,290,000	.....	1912.....	532,003	1,854,219	100,000
1890.....	90,000	1,350,000	.....	1913.....	506,180	3,750,000	146,212
1902.....	99,000	500,000	.....	1914.....	143,766	1,830,134	134,185
1903.....	129,400	1,434,000	.....	1915.....	104,518	2,042,530	93,774
1904.....	151,200	1,647,500	.....	1916.....	87,628	3,881,395	64,017
1905.....	193,650	2,071,800	.....	1917.....	76,569	3,872,418	150,000
1906.....	270,460	2,769,208	.....	1918.....	76,432	3,883,627	75,000
1907.....	269,135	2,545,535	.....	1919.....	82,487	6,270,647	100,000
1908.....	244,750	2,092,500	.....	1920.....	90,733	5,829,860	(1)

¹ The ferry between New Rochelle and Sea Cliff, Long Island, first operated in 1912, was discontinued in 1920

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and paper: Lumber and timber (sawed).....	98		98	\$8,232	\$8,232	Miles. 100	Cents.
Nonmetallic minerals.....			74,635		1,028,718		
Cement.....		2,010		33,854		25	8.0
Brick (building).....	666			4,634		66	
Gravel.....	415			906		17	3.4
Sand.....	2,745			3,648		17	3.4
Crushed stone.....	3,717			5,235		65	1.1
Coal.....	55,539			444,264		35	2.9
Coke.....	479			5,930		41	2.4
Kerosene.....	330			13,400		142	
Gasoline.....	1,546			123,500		41	
Petroleum products.....	6,615			381,076		30	
Mortar.....		115		3,888		30	3.3
Plaster.....		454		6,472		30	3.3
Plaster boards.....		10		2,811		30	3.3
Ores, metals, and manufactures of, except machinery and vehicles: Hardware.....		40	40	4,910	4,910	24	12.5
Unclassified: General merchandise.....		15,960	15,960	4,788,000	4,788,000	24	
Total.....	72,144	18,589	90,733		5,829,860		

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Wood and paper.....	98	\$8,232
Nonmetallic minerals.....	74,635	1,028,718
Ores, metals and manufactures of, except machinery and vehicles.....	40	4,910
Unclassified.....	15,960	4,788,000
Total.....	90,733	5,829,860

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	4	253	253	66	217	7	9
Towboats.....	15	134	134	62	87	7	10
Sailing vessels.....	2	10	10	86	100	6	8
Canal boats, lighters, barges, etc.....	66	126	126	98	504	7	12
Unregistered canal boats, lighters, barges, etc.....	9	16	16	332	650	9	10

NEW ROCHELLE HARBOR, N. Y.

No complete statistics are available for previous years.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals.....			77,948		\$414,957	Miles.	Cents.
Brick (building).....	2,054			\$26,713		60	2.5
Brick (hollow tile).....	188			3,000		65	2.3
Cement.....		2,022		45,486		132	1.5
Gravel.....	4,922			9,135		24	2.4
Sand.....	21,793			20,178		24	2.4
Crushed stone.....	16,011			24,144		64	.8
Coal.....	30,103			265,678		32	2.3
Cinders.....	844			633		22	
Ores, metals, and manufactures of, except machinery and vehicles:							
Cast-iron pipe.....		341	341	24,449	24,449	114	1.8
Total.....	75,926	2,363	78,289		439,406		

FERRY TRAFFIC.

Commodities.	Amount in short tons.	Value.
Unclassified general merchandise.....	2,431	\$729,300

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Nonmetallic minerals.....	77,948	\$414,957
Ores, metals and manufactures of, except machinery and vehicles.....	341	24,449
Total.....	78,289	439,406

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).		Passengers carried.
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.	
Registered:								
Steamers (ferry).....	1	7,560	7,560	128				230,542
Canal boats, lighters, barges, etc.....	72	126	126	600	650	9	10	
Towboats.....	12	126	126	19	58	6	9	

EAST CHESTER CREEK, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1892.....	47,115	(1)	1908.....	273,369	\$2,864,000
1893.....	55,990	(1)	1909.....	* 1,190,669	4,325,364
1894.....	137,268	(1)	1910.....	378,400	4,356,900
1895.....	94,928	\$2,199,186	1911.....	435,626	1,956,608
1899.....	286,428	1,957,224	1912.....	116,734	784,684
1900.....	300,475	(1)	1913.....	* 194,956	1,158,279
1901.....	225,357	(1)	1914.....	* 135,065	857,827
1902.....	99,750	870,500	1915.....	139,798	776,351
1903.....	104,655	572,800	1916.....	151,073	1,020,971
1904.....	146,855	963,263	1917.....	176,121	1,128,839
1905.....	206,275	1,755,850	1918.....	148,744	1,468,673
1906.....	282,655	3,063,360	1919.....	* 247,214	1,627,363
1907.....	354,019	1,954,254	1920.....	* 182,216	2,461,231

¹ No statistics available.

* Exceptional tonnage due to heavy railroad construction.

* Full returns not received.

* Exceptional tonnage due mainly to extra large receipts of coal.

* The increased value per ton due mainly to the quantity and quality of petroleum products.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals.....			3,555		\$5,383		
Gravel.....	1,384			\$2,238		23.3	3.0
Sand.....	2,171			3,145		23.3	3.0
Total.....	3,555		3,555		5,383		
RECEIPTS, INTRAPORT.							
Nonmetallic minerals.....			162,801		2,401,784		
Cement.....		180		3,600		24.0	8.3
Coal.....	126,558			1,152,265		33.5	2.0
Coke.....	671			2,894		49.0	1.4
Ashes.....	3,990			800		20.0	
Oil (lubricating).....	303			16,805		30.0	
Gasoline.....	423			42,285		30.0	
Kerosene.....	711			42,435		30.0	
Other petroleum products.....							
Gas oil.....	21,212			977,209		27.5	
Machinery and vehicles.....		5,753		163,391		27.0	
Machinery.....		50	50	7,000	7,000	16.0	
Unclassified: General merchandise.....		10	10	3,482	3,482	30.0	
Total.....	153,868	8,993	162,861		2,412,266		
RECEIPTS, INTERNAL.							
Nonmetallic minerals.....			15,800		43,582		
Brick (building).....	2,080			21,600		112.0	1.3
Crushed stone.....	13,375			19,930		63.0	.8
Flagging.....		345		2,062		112.0	.8
Total.....	15,455	345	15,800		43,582		
Total receipts.....	172,878	9,338	182,216		2,461,231		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals.....	3,555	\$5,383	178,601	\$2,445,366	182,156	\$2,450,749
Machinery and vehicles.....			50	7,000	50	7,000
Unclassified.....			10	3,482	10	3,482
Total.....	3,555	5,383	178,661	2,455,848	182,216	2,461,231

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats.....	14	379	379	19	75	6	10
Canal boats, lighters, barges, etc.....	119	290	290	225	1,000	3	12
Miscellaneous craft.....	3	27	27	27	71	6	7
Unregistered:							
Canal boats, lighters, barges, etc.....	27	89	89	225	800	3	12
Miscellaneous craft.....	2	8	8	45	75	3	4

WESTCHESTER CREEK, N. Y.

Comparative statement of traffic.

Year.	Tonnage.	Value.	Year.	Tonnage.	Value.
1909.....	263,857	\$1,371,235	1916.....	150,369	\$490,271
1911.....	148,117	699,465	1917.....	238,405	879,945
1912.....	169,164	733,236	1918.....	171,901	1,001,882
1913.....	571,166	1,531,161	1919.....	126,218	617,490
1914.....	589,322	1,036,984	1920.....	264,442	1,029,719
1915.....	220,912	498,393			

No passengers carried.

The increase in tonnage during the year 1920, as compared with the previous two years, is due to building activity.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals: Sand.	5,515		5,515	\$5,106	\$5,106	Miles. 19.4	Cents. 3.0
RECEIPTS, INTRAPORT.							
Nonmetallic minerals			193,012		878,792		
Sand	5,712			8,500		38.6	
Asphalt		724		24,462		35.0	
Coal	63,086			491,948		24.4	2.0
Ashes	116,771			26,280		14.0	
Gasoline		1,846		172,254		27.2	
Kerosene		1,332		78,919		27.2	
Other petroleum products	3,167			69,447		20.7	
Gas oil		374		6,982		21.0	
Ores, metals and manufactures of, except machinery and vehicles: Iron oxide	45		45	645	645	6.5	
Total	188,781	4,276	193,057		879,437		
RECEIPTS, INTERNAL.							
Nonmetallic minerals			65,870		145,176		
Crushed stone	61,436			93,889		57.0	.9
Limestone dust	714			4,300		57.0	
Flagging		3,720		46,987		117.0	.8
Total	62,150	3,720	65,870		145,176		

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Nonmetallic minerals	5,515	\$5,106	258,882	\$1,023,968	264,397	\$1,029,074
Ores, metals and manufactures of, except machinery and vehicles			45	645	45	645
Total	5,515	5,106	258,927	1,024,613	264,442	1,029,719

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats	22	407	407	35	62	9	10
Canal boats, lighters, barges, etc.	189	318	318	300	1,000	5	12
Unregistered canal boats, lighters, barges, etc.	30	89	89	225	650	3	11

BRONX RIVER, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	220,000	\$1,275,000	1909.....	520,215	\$1,272,266
1897.....	139,310	528,025	1910.....	456,756	2,020,386
1899.....	171,300	1,985,700	1911.....	681,181	2,458,798
1900.....	166,500	(¹)	1912.....	319,083	1,416,589
1901.....	168,000	(¹)	1913.....	658,473	2,445,407
1902.....	153,137	500,000	1914.....	841,586	1,947,786
1903.....	77,710	536,400	1915.....	164,090	1,732,725
1904.....	42,286	196,642	1916.....	767,938	1,801,990
1905.....	181,063	820,482	1917.....	432,478	1,724,273
1906.....	341,538	1,720,097	1918.....	381,713	3,046,629
1907.....	382,957	1,807,317	1919.....	980,090	2,181,341
1908.....	401,433	2,458,798	1920.....	849,990	2,551,730

¹ No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals.....			119,597		\$132,957	Miles.	Cents.
Gravel.....	16,509			\$25,269		21.0	2.8
Sand.....	8,069			74,694		21.0	2.8
Crushed stone.....	22,419			32,994		68.6	
Total	119,597		119,597		132,957		
RECEIPTS, INTRAPORT.							
Nonmetallic minerals.....			718,482		2,299,535		
Asphalt.....		300		12,500		20.9	
Cement.....		2,788		49,609		14.4	8.7
Sand.....	10,341			9,575		34.5	1.7
Coal.....	250,064			2,112,523		23.6	2.0
Coke.....	1,200			13,200		39.0	1.3
Ashes.....	453,789			102,128		10.0	
Total.....	715,394	3,088	718,482		2,299,535		
RECEIPTS, INTERNAL.							
Nonmetallic minerals.....			10,789		80,383		
Brick (building).....	2,400			21,600		49.8	3.0
limestone dust.....	500			5,250		44.0	
Cement.....		1,088		19,257		122.0	1.6
Crushed stone.....	4,333			9,000		53.0	1.0
lagging.....		900		8,100		113.0	.8
Paving block (asphalt).....		1,542		17,176		32.0	3.8
Wood and paper: lumber and timber (sawed).....	1,112		1,112	38,855	38,855	195.0	.6
Total.....	8,351	3,550	11,901		119,238		

Freight traffic, 1920—Continued.

SUMMARY.

Class of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals.....	119,597	\$132,957	729,271	\$2,379,918	848,868	\$2,512,875
Wood and paper.....			1,112	38,855	1,112	38,855
Total.....	119,597	132,957	730,383	2,418,773	849,980	2,551,730

Vessel classification.

Class.	Numl er of vessels (Ameri- can).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Depart- ures.	Least.	Great- est.	Least.	Great- est.
Registered:							
Towboats.....	12	1,162	1,162	9	75	6	9
Canal boats, lighters, barges, etc.....	721	1,383	1,380	120	1,000	6	12
Unregistered canal boats, light- ers, barges, etc.....	142	536	536	120	600	5	12

FLUSHING BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1888.....	223,235	(1)	1908.....	126,455	\$1,774,900
1895.....	150,376	(1)	1909.....	277,300	879,700
1896.....	80,820	(1)	1910.....	563,029	1,256,880
1897.....	163,395	\$1,449,438	1911.....	394,328	3,251,548
1899.....	158,755	1,534,937	1912.....	942,614	2,102,261
1900.....	177,575	(1)	1913.....	917,561	969,011
1901.....	200,473	4,196,406	1914.....	853,714	968,461
1902.....	182,400	1,613,100	1915.....	677,460	1,006,295
1903.....	110,100	960,750	1916.....	710,547	1,137,195
1904.....	142,996	2,599,488	1917.....	1,355,620	3,508,600
1905.....	142,274	2,656,650	1918.....	335,801	1,251,323
1906.....	273,312	3,937,444	1919.....	1,413,466	1,140,393
1907.....	232,911	2,637,825	1920.....	1,613,560	1,468,151

1 No statistics available.

No passengers carried.

BRONX RIVER, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	220,000	\$1,275,000	1909.....	520,215	\$1,272,266
1897.....	139,310	526,025	1910.....	456,756	2,020,386
1899.....	171,300	1,985,700	1911.....	681,181	2,458,798
1900.....	166,500	(¹)	1912.....	319,083	1,116,599
1901.....	168,000	(¹)	1913.....	658,473	2,443,407
1902.....	153,137	500,000	1914.....	841,586	1,947,786
1903.....	77,710	536,400	1915.....	164,090	1,732,725
1904.....	42,286	196,642	1916.....	767,938	1,801,990
1905.....	181,063	820,482	1917.....	432,478	1,724,273
1906.....	341,538	1,720,097	1918.....	381,713	3,046,629
1907.....	382,957	1,807,317	1919.....	990,090	2,181,341
1908.....	401,433	2,458,798	1920.....	849,980	2,651,730

¹ No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						Miles.	Cents.
Nonmetallic minerals.....			119,597		\$132,957		
Gravel.....	16,509			\$25,269		21.0	2.8
Sand.....	87,069			74,694		21.0	2.8
Crushed stone.....	22,419			32,994		68.6	
Total.....	119,597		119,597		132,957		
RECEIPTS, INTRAPORT.							
Nonmetallic minerals.....			718,482		2,299,535		
Asphalt.....		300		12,500		20.9	
Cement.....		2,788		49,609		14.4	8.7
Sand.....	10,341			9,575		34.5	1.7
Coal.....	250,064			2,112,523		23.6	2.0
Coke.....	1,200			13,200		39.0	1.3
Ashes.....	453,789			102,128		10.0	
Total.....	715,394	3,088	718,482		2,299,535		
RECEIPTS, INTERNAL.							
Nonmetallic minerals.....			10,789		80,383		
Brick (building).....	2,400			21,600		49.8	3.0
Limestone dust.....	500			5,250		44.0	
Cement.....		1,088		19,257		122.0	1.6
Crushed stone.....	4,333			9,000		53.0	1.0
Flagging.....		900		8,100		113.0	.8
Paving block (asphalt).....		1,542		17,176		32.0	3.8
Wood and paper: lumber and timber (sawed).....	1,112		1,112	38,855	38,855	195.0	.6
Total.....	8,351	3,550	11,901		119,238		

Freight traffic, 1920—Continued.

SUMMARY.

Class of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals.....	119,597	\$132,957	729,271	\$2,379,918	848,868	\$2,512,875
Wood and paper.....			1,112	38,855	1,112	38,855
Total.....	119,597	132,957	730,383	2,418,773	849,980	2,551,730

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats.....	12	1,162	1,162	9	75	6	9
Canal boats, lighters, barges, etc.....	721	1,383	1,380	120	1,000	6	12
Unregistered canal boats, lighters, barges, etc.....	142	536	536	120	600	5	12

FLUSHING BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1888.....	223,235	(1)	1908.....	126,455	\$1,774,900
1895.....	150,376	(1)	1909.....	277,300	879,700
1896.....	80,820	(1)	1910.....	563,029	1,256,880
1897.....	163,395	\$1,449,438	1911.....	394,328	3,251,548
1899.....	158,755	1,534,937	1912.....	942,614	2,102,261
1900.....	177,575	(1)	1913.....	917,561	969,011
1901.....	200,473	4,196,406	1914.....	853,714	968,461
1902.....	182,400	1,613,100	1915.....	677,460	1,006,295
1903.....	110,100	960,750	1916.....	710,547	1,137,195
1904.....	142,996	2,599,488	1917.....	1,355,620	3,508,600
1905.....	142,274	2,656,650	1918.....	335,801	1,251,323
1906.....	273,312	3,937,444	1919.....	1,413,466	1,140,393
1907.....	232,911	2,537,825	1920.....	1,613,560	1,468,151

¹ No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals.....			36,315		\$60,437		
Gravel.....	6,442			\$5,965		34.7	1.7
Sand.....	26,098			25,484		34.7	1.7
Paving blocks (stone) ..	3,965			28,988		345.0	.6
Total.....	36,315		36,315		60,437		
RECEIPTS, INTRAPORT.							
Wood and paper: Piles or logs.....		200	200	4,000	4,000	11.3	
Nonmetallic minerals.....			1,507,192		1,187,350		
Asphalt.....		1,913		39,801		31.8	4.7
Building stone.....		100		1,500		14.0	
Cement.....		4,007		75,621		14.5	8.6
Sand.....	18,202			16,854		35.3	
Riprap.....	1,624			2,842		10.0	
Coal.....	81,713			704,115		24.0	2.5
Ashes.....	1,207,241			181,855		11.3	2.2
Cellar dirt.....	185,500			14,000		9.9	3.0
Other petroleum products.....							
Gas oil.....	2,078			61,473		19.2	
Plaster.....		3,579		66,816		17.7	
Plaster boards.....		964		15,373		17.7	5.6
Plaster of paris.....		88		2,709		17.7	5.6
Machinery and vehicles: Engines and machinery.....		193		4,391		17.7	5.6
Total.....	1,496,358	11,234	1,507,592		1,199,350		
RECEIPTS, INTERNAL.							
Nonmetallic minerals.....			59,411		170,238		
Brick (building).....	3,952			43,556		50.0	3.0
Cement.....		2,370		38,578		112.0	1.5
Gravel.....	1,350			2,500		90.0	
Crushed stone.....	50,823			77,000		54.0	.9
Carbonate of lime.....		916		8,604		54.0	
Unclassified: Ice.....	10,042		10,042	30,126	30,126	126.0	
Total.....	66,167	3,286	69,453		200,364		
Total receipts.....	1,568,840	14,520	1,613,360		1,460,151		
SHIPMENT, INTRAPORT.							
Total receipts and shipments.....	1,568,840	14,720	1,613,560		1,468,151		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....			200	\$4,000	200	\$4,000
Nonmetallic materials.....	36,315	\$60,437	1,566,603	1,357,588	1,602,918	1,418,025
Machinery and engines.....			400	16,000	400	16,000
Unclassified.....			10,042	30,126	10,042	30,126
Total.....	36,315	60,437	1,577,245	1,407,714	1,613,560	1,468,151

Vessel classification.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats.....	28	1,715	1,715	32	139	6	11
Canal boats, lighters, barges, etc.....	479	2,427	2,427	100	1,000	2	12
Miscellaneous craft.....	4	4	4		50	2	4
Unregistered: Canal boats, lighters, barges, etc.....	75	142	142	120	1,000	2	9

HEMPSTEAD HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1909.....	1,840,219	\$1,610,740	1915.....	3,644,716	\$1,687,441
1910.....	1,913,839	1,675,173	1916.....	3,966,885	1,195,538
1911.....	844,480	614,334	1917.....	2,451,014	1,397,005
1912.....	2,701,295	731,462	1918.....	2,008,349	1,001,000
1913.....	2,602,668	995,464	1919.....	2,072,685	3,048,314
1914.....	3,707,195	1,575,392	1920.....	2,768,211	3,497,364

[Navigation season continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper, lumber and timber (sawed).....	245	245	\$12,000	\$12,000

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals.....			101,636		\$727,565	Miles.	Cents.
Asphalt.....		1,150		\$46,000		51.0	
Cement.....		785		12,753		149.0	1.4
White sand.....	131			375		98.0	
Crushed stone.....	43,540			67,231		73.0	.6
Coal.....	52,642			477,166		43.0	3.2
Ashes.....	1,306			980		30.0	
Other petroleum products.....	2,112			123,060		30.0	
Chemicals: Chemical fer- tilizer.....		712	712	33,464	33,464	30.0	
Total.....	99,701	2,647	102,348		761,029		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals.....			2,665,553		2,722,335		
Sand.....	2,189,127			2,016,519		37.4	2.4
Gravel.....	476,426			706,816		37.4	2.4
Machinery and vehicles: Machinery.....		65	65	2,000	2,000	38.0	
Total.....	2,665,553	65	2,665,618		2,724,335		
Total shipments and receipts.....	2,765,254	2,712	2,767,966		2,485,364		

SUMMARY.

Classes and commodities.	Foreign imports.		Domestic coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	245	\$12,000			245	\$12,000
Nonmetallic minerals.....			2,767,189	\$3,449,900	2,767,189	3,449,900
Machinery and vehicles.....			65	2,000	65	2,000
Chemicals.....			712	33,464	712	33,464
Total.....	245	12,000	2,767,966	3,485,364	2,768,211	3,497,364

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri-can.	For-eign.	Arri-vals.	De-par-tures.	Least.	Great-est.	Least.	Great-est.
Registered:								
Towboats.....	18		1,312	1,312	9	101	8	10
Sailing vessels.....	3		12	12		100		6
Canal boats, lighters, barges, etc..	80	1	1,859	1,859	150	800	2	12
Miscellaneous craft.....	2		14	14	98	128	7	10
Unregistered canal boats, lighters, barges, etc.....	150		3,491	3,491	400	1,200	7	15

HUNTINGTON HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893.....	48,000	(1)	1907.....	96,196	\$1,901,061
1894.....	58,000	(1)	1908.....	38,316	413,218
1895.....	70,000	(1)	1909.....	43,289	476,414
1896.....	73,350	\$1,174,250	1910.....	(1)	(1)
1897.....	23,584	473,109	1911.....	50,542	548,072
1898.....	23,584	(1)	1912.....	36,716	671,367
1899.....	46,500	605,000	1913.....	63,504	147,491
1900.....	45,600	768,000	1914.....	30,975	(1)
1901.....	52,000	875,800	1915.....	42,863	200,722
1902.....	(1)	(1)	1916.....	73,362	198,946
1903.....	66,000	1,086,000	1917.....	44,155	151,613
1904.....	94,950	2,818,250	1918.....	25,599	170,809
1905.....	(1)	(1)	1919.....	20,462	139,757
1906.....	106,212	2,774,850	1920.....	30,996	193,300

¹ No statistics available.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and Paper: Lumber and timber (sawed).....	204	.....	204	\$18,590	\$18,590	Miles. 45.0	Cents. 3.3
Nonmetallic minerals.....	.....	.....	29,292	.....	170,210	.....	.....
Brick (building).....	252	.....	.....	2,914	.....	88.8	1.8
Cement.....	.....	4,457	.....	75,880	.....	48.0	6.2
Crushed stone.....	14,987	.....	.....	18,459	.....	37.8	.6
Coal.....	8,915	.....	.....	72,130	.....	51.0	1.6
Ashes.....	667	.....	.....	100	.....	45.0	.....
Petroleum products.....	14	.....	.....	727	.....	45.0	.....
Unclassified: Manure.....	1,500	.....	1,500	4,500	4,500	45.0	.....
Total.....	26,539	4,457	30,996	.....	193,300	.....	.....

SUMMARY.

Classes of commodities.	Domestic, coast-wise.	
	Tons.	Value.
Wood and paper.....	204	\$18,590
Nonmetallic minerals.....	29,292	170,210
Unclassified.....	1,500	4,500
Total.....	30,996	193,300

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats.....	12	54	54	9	75	6	10
Sailing vessels.....	1	2	2	.....	115	.....	9
Canal boats, lighters, barges, etc.....	11	26	26	430	450	.....	8
Unregistered canal boats, lighters, barges, etc.....	18	28	28	200	650	8	10

PORT JEFFERSON HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1893.....	46,000	(¹)	.....	1907.....	95,455	\$1,066,665	24,000
1894.....	42,000	(¹)	.....	1908.....	127,230	1,536,000	33,926
1895.....	36,000	(¹)	.....	1909.....	129,365	1,836,550	30,000
1896.....	31,700	\$875,000	.....	1910.....	56,935	815,900	35,000
1897.....	25,497	281,570	.....	1911.....	(¹)	(¹)	(¹)
1898.....	24,940	360,200	.....	1912.....	21,501	842,541	.....
1899.....	42,130	2,145,940	.....	1913.....	21,793	999,562	48,699
1900.....	40,380	(¹)	.....	1914.....	22,281	572,791	46,509
1901.....	38,200	(¹)	.....	1915.....	20,746	1,132,325	45,284
1902.....	54,000	(¹)	.....	1916.....	11,491	660,247	35,556
1903.....	46,670	776,000	17,000	1917.....	49,983	3,113,606	52,324
1904.....	8,832	90,424	(¹)	1918.....	10,351	1,121,634	52,324
1905.....	19,650	565,700	21,000	1919.....	12,490	985,349	44,040
1906.....	118,705	2,544,900	60,000	1920.....	59,386	286,033	62,726

¹ No statistics available.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.			159		\$59,200	Miles.	Cents.
Horses.		20		\$16,000		17.8	33.7
Cattle.		3		1,400		17.8	33.7
Fresh meat.		136		41,800		17.8	33.7
Vegetable food products, oil seeds, expressed oils, and beverages.			201		10,300		
Vegetables.		195		9,100		17.8	28.0
Sugar.		6		1,200		17.8	22.4
Wood and paper: Lumber and timber (sawed).		100	100	5,896	5,896	17.8	11.2
Nonmetallic minerals.			2,741		29,475		
Cement.		300		5,010		173.0	2.6
Sewer pipe.		1		22		17.8	
Salt.		28		840		17.8	16.8
Coal.	2,412			23,603		67.6	2.0

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—CON.							
Ores, metals and manufactures of, except machines and vehicles			157		\$35,759	Miles.	Cents.
Iron (sheet and bars)	19			\$2,850		17.8	16.8
Structural steel	100			10,000		17.8	16.8
Other metals (sheet bar, etc.)	36			21,600		17.8	16.8
Hardware	2			1,309		17.8	
Machinery and vehicles:							
Engines and machinery	58	58	58	40,600	40,600	17.8	28.1
Unclassified: General merchandise		130	130	38,169	38,169	17.8	28.1
Total	2,412	1,134	3,546		219,399		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair			375		14,330		
Fish	5			800		61.0	
Oysters and clams	361			10,530		46.4	5.4
Poultry	9			3,000		17.8	28.1
Vegetable food products, oil seeds, expressed oil and beverages: Vegetables	57	57	57	1,000	1,000	28.3	13.2
Nonmetallic minerals: Sand	55,408		55,408	51,304	51,304	63.0	.9
Total	55,408	432	55,840		66,634		
Total receipts and shipments	57,820	1,566	59,386		286,033		

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products, except wool and hair	524	\$73,530
Vegetable food products, oil seeds, expressed oils, and beverages	258	11,300
Wood and paper	100	5,896
Nonmetallic minerals	58,149	80,779
Ores, metals and manufactures of, except machinery and vehicles	187	85,759
Machinery and vehicles	58	40,600
Unclassified	130	38,169
Total	59,386	286,033

Vessels built and launched.

Kind.	Number of vessels.	Total tonnage.	Total value.
Cargo steamers	4	21,200	\$4,000,000
Towboats	2		600,000
Tanker	1	1,200	500,000

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	2	336	336	208	391	10	11
Towboats.....	3	88	88				
Sailing vessels.....	2	4	4	28	58	6	7
Canal boats, lighters, barges, etc.	46	88	88	200	500	6	10

Passengers carried, 62,726.

MATTITUCK HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1904.....	56,602	\$2,041,766	1914.....	2,413	\$15,000
1905.....	1,100	22,000	1915.....	1,312	4,875
1906.....	1,475	23,660	1916.....	7,755	186,650
1907.....	3,265	27,350	1917.....	2,083	59,585
1908.....	9,360	145,812	1918.....	5,399	21,775
1909.....	3,900	75,150	1919.....	1,177	6,850
1910.....	726	5,620	1920.....	1,460	39,700

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate, ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oysters and clams...	35	.....	35	\$1,200	\$1,200	Miles. 29.0	Cents. 8.3
Nonmetallic minerals: Gravel.....	675	.....	675	1,000	1,000	58.1	.....
Total.....	710	.....	710	.....	2,200	.....	.....
SHIPMENTS, COASTWISE.							
Vegetable food products, oil seeds, expressed oils, and beverages: Vegetables.....	.....	750	750	37,500	37,500	30.6	32.0
Total receipts and shipments.....	710	750	1,460	.....	39,700	.....	.....

Freight traffic, 1920—Continued.

SUMMARY.

Class of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animal and animal products, except wool and hair.....	35	\$1,200
Vegetable food products, oil seeds, expressed oils, and beverages.....	750	37,500
Nonmetallic minerals.....	675	1,000
Total.....	1,460	39,700

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Sailing vessels.....	1	2	2	.....	50	.....	5
Motor boats.....	5	36	36	19	21	4	6

GREAT SOUTH BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1892.....	120,000	(1)	1907.....	224,108	\$3,903,723
1893.....	125,000	\$1,700,000	1908.....	195,000	3,320,000
1894.....	145,000	(1)	1909.....	204,500	3,406,000
1895.....	129,485	(1)	1910.....	181,000	3,220,600
1896.....	143,500	3,262,000	1911.....	180,800	3,135,000
1897.....	250,000	(1)	1912.....	185,860	3,199,000
1898.....	255,200	3,702,000	1913.....	67,000	1,015,000
1899.....	266,800	3,808,500	1914.....	9,966	103,892
1900.....	274,100	3,919,000	1915.....	18,434	132,884
1901.....	281,300	4,025,000	1916.....	19,572	148,516
1902.....	257,500	4,000,000	1917.....	17,857	125,441
1903.....	258,500	3,995,000	1918.....	12,999	137,064
1904.....	257,879	4,037,130	1919.....	16,279	167,541
1905.....	224,526	3,871,850	1920.....	11,312	259,729
1906.....	232,500	4,014,000			

¹ No statistics available.

NOTE.—The volume of tonnage shown for the years 1917 and 1918 does not correspond with the figures for these years as shown in the printed report of 1920, which latter figures are due to a typographical error.

[Navigation season, continuous.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oysters and clams.	3,010		3,010	\$85,656	\$85,656	Miles. 129.6	Cents.
Nonmetallic minerals.			4,814		70,571		
Brick (building).	814			14,736		92.0	
Cement.		40		1,000		73.0	
Lime.		12		500		73.0	
Gravel.	135			500		112.0	
Crushed stone.	675			1,250		112.0	2.0
Coal.	3,012			40,335		72.0	2.9
Lubricating oils.		9		1,250		72.0	
Gasolene.		75		7,500		72.0	
Kerosene.		42		3,500		72.0	
Total.	7,646	178	7,824		156,227		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Sand (beach).	75		75	375	375	103.0	
Total receipts and shipments, coastwise.	7,721	178	7,899		156,602		
TRAFFIC, LOCAL.							
Animals and animal products, except wool and hair.			1,773		56,783		
Fish.	1,125			35,200			
Oysters and clams.	594			21,550			
Oyster shells.	54			33			
Vegetable food products, oil seeds, expressed oils, and beverages.			40		2,600		
Fruit.		14		1,140		6.5	9.2
Vegetables.		26		1,460		6.5	9.2
Wood and paper.			733		40,553		
Lumber and timber (sawed).	564			31,680		6.5	30.8
Shingles.		83		7,273		6.5	
Piles and logs.		80		900		13.5	
Lath.		6		700		13.5	
Nonmetallic minerals.			727		2,071		
Brick (building).	50			625		6.5	
Sand.	675			1,250			
Gasoline.		1		150			
Kerosene.		1		46			
Unclassified: Ice.	140		140	1,120	1,120	6.5	
Total.	3,202	211	3,413		103,127		
Total receipts and shipments.	10,923	389	11,312		259,729		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animal and animal products, except wool and hair.....	3,010	\$85,656	1,773	\$56,783	4,783	\$142,439
Vegetable food products, oil seeds, expressed oil and beverages.....			40	2,600	40	2,600
Wood and paper.....			733	40,553	733	40,553
Nonmetallic minerals.....	4,889	70,946	727	2,071	5,616	73,017
Unclassified.....			140	1,120	140	1,120
Total.....	7,899	156,602	3,413	103,127	11,312	259,729

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Sailing vessels.....	13	700	700	5	60	2	10
Canal boats, lighters, barges, etc.....	19	33	33				
Miscellaneous craft.....	11	469	469	5	10	3	7

BROWNS CREEK, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895.....	36,080	\$733,000	1909.....	36,605	\$1,006,550
1896.....	86,871	426,520	1910.....	32,945	906,100
1898.....	10,700	213,800	1911 ¹	7,950	58,850
1899.....	11,642	251,350	1912.....	10,734	276,350
1900.....	12,272	(¹)	1913.....	12,135	260,380
1901.....	17,025	454,500	1914 ²	24,116	536,300
1902.....	17,630	299,300	1915 ³	8,998	97,375
1903.....	20,380	609,450	1916.....	17,007	140,308
1904.....	24,000	807,075	1917.....	7,287	101,115
1905.....	51,675	1,811,195	1918.....	8,641	177,770
1906.....	29,675	983,880	1919.....	8,231	98,290
1907.....	34,975	1,043,865	1920.....	7,332	165,354
1908.....	25,240	924,780			

¹ No statistics available.² Reduction attributed to bad condition of channel.³ Believed to include the bay products, landed on the shore of Great South Bay, east and west of Browns Creek. A small percentage only of these bay products is handled via Browns Creek.⁴ The large decrease below that of previous years in the tonnage and value of articles handled is attributed to an unusually bad fishing season.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair. Oysters and clams.	2,643		2,643	\$76,856	\$76,856	Miles. 55.5	Cents.
Nonmetallic minerals.			2,608		44,550		
Brick (building).	400			5,000		103.2	
Brick (fire).		350		9,000		85.6	
Cement.		40		1,000		68.0	
Lime.		12		500		68.0	
Gravel.	135			300		103.2	
Crushed stone.	433			1,500		107.0	
Coal.	1,112			15,000		82.6	
Lubricating oil.		9		1,250		69.0	
Gasoline.		75		7,500		69.0	
Kerosene.		42		3,500		69.0	
Total.	4,723	528	5,251		121,406		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Sand.	101		101	375	375	98.0	
LOCAL TRAFFIC.							
Animals and animal products, except wool and hair.			1,244		39,233		
Fish.	1,015			28,000		5.0	
Oysters and clams.	175			11,200		5.0	
Oyster shells.	54			33		5.0	
Vegetable food products, oil seeds, expressed oils, and beverages: Vegetables.		8	8	500	500	4.8	
Wood and paper.			53		2,590		
Lumber and timber (sawed).	30			1,280		4.8	
Shingles.		17		690		4.8	
Laths.		6		700		4.8	
Nonmetallic minerals: Sand.	675		675	1,250	1,250	4.2	
Total.	1,949	31	1,980		43,573		
Total receipts and shipments.	6,773	559	7,332		165,354		

SUMMARY.

Classes and commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products.	2,643	\$76,856	1,244	\$39,233	3,887	\$116,089
Vegetable food products, oil seeds, expressed oils, and beverages.			8	500	8	500
Wood and paper.			53	2,590	53	2,590
Nonmetallic minerals.	2,709	44,925	675	1,250	3,384	46,175
Total.	5,352	121,781	1,980	43,573	7,332	165,354

Vessels built and launched.

Kind.	Number.	Tonnage.	Value.
Yachts.....	12	72	.....

Vessel classification.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Sailing vessels.....	4	317	317	10	60	4	7
Canal boats, lighters, barges, etc.....	9	23	23	10	750	1	10
Miscellaneous craft.....	7	387	387	5	10	1	2

JAMAICA BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1909.....	977,266	\$3,846,574	(1)	1915.....	750,867	\$7,049,795	412,500
1910.....	1,785,605	4,831,348	350,000	1916.....	736,775	9,887,021	162,222
1911.....	975,271	1,923,118	(1)	1917.....	256,011	8,171,231	123,248
1912.....	425,551	5,150,000	175,000	1918.....	168,550	6,904,397	97,785
1913.....	816,132	5,346,878	230,487	1919.....	181,925	6,191,367	151,784
1914.....	768,550	5,171,668	129,107	1920.....	186,075	10,496,173	142,164

¹ No statistics available.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oysters and clams..	542	.....	542	\$14,300	\$14,300	Miles. 79.0	Cents. 4.6
Vegetable food products, oil seeds, expressed oil and beverages.....	.....	.....	17	.....	669	.....	.....
Grain.....	4	.....	.....	312	.....	325.0	.....
Hay.....	.....	7	.....	236	.....	325.0	.....
Straw.....	6	.....	.....	121	.....	325.0	.....
Wood and paper.....	.....	.....	6,105	.....	241,349	.....	.....
Lumber and timber (sawed).....	5,229	.....	.....	238,385	.....	202.0	1.4
Cord wood.....	.....	876	.....	2,964	.....	.....	.....
Nonmetallic minerals.....	.....	.....	22,705	.....	32,700	.....	.....
Sand.....	8,911	.....	.....	8,888	.....	59.6	1.1
Crushed stone.....	8,937	.....	.....	17,040	.....	79.0	.....
Gravel.....	4,857	.....	.....	6,772	.....	53.0	1.3
Total.....	28,486	883	29,369	.....	289,018	.....	.....

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT.							
Animals and animal products, except wool and hair.....			6,152		\$25,080	Miles.	Cents.
Fish.....		688		\$2,752		22.0	
Offal.....		65		260		22.0	
Dead animals.....		5,397		21,588		22.0	
Grease.....		2		480		19.3	
Wood and paper.....			1,600		62,200		
Lumber and timber (sawed).....	1,500			60,000		12.9	
Piles or logs.....		100		2,200		18.0	
Nonmetallic minerals.....			96,447		1,633,696		
Brick (building).....	1,874			21,685		29.2	6.7
Building stone.....		675		2,025		22.8	8.8
Cement.....		1,047		18,842		22.8	
Coal.....	66,986			533,702		24.1	5.7
Ashes.....	3,798			2,062		22.0	8.1
Lubricating oil.....		603		78,668		21.1	
Gasoline.....	7,187			555,285		21.1	
Kerosene.....	2,876			144,045		21.1	
Other petroleum products.....	1,424			113,063		21.8	
Fuel oil.....		4		102		19.3	
Wax (para).....		4		700		19.3	
Water-gas oil.....	9,969			163,487		22.0	
Ores, metals, and manufactures of, except machinery and vehicles.....			9,316		7,100,000		
Tin concentrates.....	8,960			7,000,000		22.0	10.0
Ordinance.....		356		100,000		22.0	
Unclassified.....			8,355		66,650		
General merchandise.....		89		26,700		30.6	
Garbage.....	8,266			39,950		22.0	
Total.....	112,840	9,030	121,870		8,887,626		
SHIPMENTS, INTRAPORT.							
Animals and animal products, except wool and hair.....			4,967		375,985		
Grease.....		603		136,139		22.0	
Hides.....		373		105,783		22.0	
Tankage.....		3,866		129,063		25.0	
Oysters and clams.....	125			5,000		22.0	
Nonmetallic minerals.....			23,208		34,827		
Sand (white).....	22,648			34,027		22.1	0.9
Riprap.....	560			800		24.0	
Ores, metals, and manufactures of, except machinery and vehicles.....			2,539		776,825		
Other metals (sheets, bars, etc.).....		39		6,825		19.3	
Other metals (manufactures).....		2,500		750,000		22.0	
Machinery and vehicles:.....							
Machinery.....		100	100	20,000	20,000	22.0	
Total.....	23,333	7,481	30,814		1,207,637		
RECEIPTS, INTERNAL.							
Wood and paper: Lumber and timber (sawed).....	260		260	15,400	15,400	108.0	
Nonmetallic minerals.....			2,030		26,282		
Cement.....		596		9,721		137.0	
Brick (building).....	1,434			16,561		57.9	
Total.....	1,694	596	2,290		41,682		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals: Sand (white).....	162	.....	162	\$420	\$420	Miles. 80.0	Cents. 0.03
TRAFFIC, LOCAL.							
Wood and paper: Lumber and timber (sawed).....	1,570	.....	1,570	69,790	69,790	3.7	.....
Total receipts and shipments.....	168,085	17,990	186,075	.....	10,496,173	.....	.....

Freight traffic, 1920.

SUMMARY.

Class of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	542	\$14,300	11,119	\$401,065	11,661	\$415,365
Vegetable food products, oil seeds, expressed oils and beverages.....	17	660	.....	.....	17	660
Wood and paper.....	6,105	241,349	3,430	147,390	9,535	388,739
Nonmetallic minerals.....	22,705	32,700	121,847	1,695,225	144,552	1,727,925
Ores, metals and manufactures of, except machinery and vehicles.....	.....	.....	11,855	7,876,825	11,855	7,876,825
Machinery and vehicles.....	.....	.....	100	20,000	100	20,000
Unclassified.....	.....	.....	8,355	66,650	8,355	66,650
Total.....	29,369	289,018	156,706	10,207,155	186,075	10,496,173

Ten sections of floating dry dock valued at \$1,600,000 were built and launched in Jamaica Bay during the year.

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	9	427	427	87	916	9	10
Towboats.....	11	172	172	42	111	7	11
Sailing vessels.....	12	129	129	28	102	3	10
Canal boats, lighters, barges, etc.....	89	213	213	30	1,000	1	12
Miscellaneous craft.....	5	48	48	100	800	-----	9
Unregistered canal boats, lighters, barges, etc.....	31	44	44	200	800	5	12

Passengers carried, 142,164.

SHEEPSHEAD BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1911.....	28,700	\$76,500	(1)	1916.....	1,146	\$49,080	249,121
1912.....	1,800	36,000	400,000	1917.....	850	41,086	39,096
1913.....	2,000	40,000	500,000	1918.....	2,212	154,460	34,350
1914.....	3,563	144,777	500,000	1919.....	142	11,145	53,728
1915.....	11,654	82,756	433,738	1920.....	500	43,986	63,190

¹ No statistics available.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
Nonmetallic minerals.....			590		\$43,986	Miles.	Cents.
Gasoline.....	269			\$26,870		24.6	
Other petroleum products.....	321			17,116		21.8	
Total.....	590		590		43,986		

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	3	464	464	28	184	5	9
Towboats.....	4	11	11	42	62	7	9
Canal boats, lighters, barges, etc.....	2	11	11	400	504	8	10
Miscellaneous craft (motor boats).....	11	3,192	3,192	9	128	4	9

CONEY ISLAND CHANNEL, N. Y.

Comparative statement of traffic.

CARGOES IN TRANSIT.

Year.	Tons.	Value.	Passengers carried.	Year.	Tons.	Value.	Passengers carried.
1912.....	425,561	\$5,150,212	1,034,222	1917.....	256,011	\$8,171,231	123,248
1913.....	816,132	5,345,878	1,243,398	1918.....	168,550	6,204,397	97,785
1914.....	768,550	5,256,680	1,178,888	1919.....	181,925	6,191,367	1,155,964
1915.....	750,867	7,049,795	893,459	1920.....	152,510	10,115,098	1,130,451
1916.....	736,775	9,887,021	870,318				

Freight traffic, 1920.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amounts in short tons.	Value.
Animals and animal products, except wool and hair:			Nonmetallic minerals—Con.		
Oysters and clams.....	667	\$19,300	Lubricating oil.....	603	\$78,698
Fish.....	688	2,752	Gasoline.....	7,187	555,285
Offal.....	65	260	Kerosene.....	2,876	144,045
Dead animals.....	5,397	21,588	Other petroleum products.....	1,424	113,063
Grease.....	605	136,619	Fuel oil.....	4	102
Hides.....	373	105,783	Wax (Para).....	4	700
Tankage.....	3,866	129,063	Water-gas oil.....	9,999	163,487
Wood and paper:			Ores, metals and manufactures of, except machinery and vehicles:		
Lumber and timber (sawed).....	6,714	297,570	Other metals (sheets, bars, etc.).....	39	6,825
Piles and logs.....	100	2,200	Other metal manufactures.....	2,500	750,000
Nonmetallic minerals:			Tin concentrates.....	8,960	7,000,000
Brick (building).....	1,434	16,561	Ordinance.....	356	100,000
Building stone.....	675	2,025	Machinery and vehicles:		
Cement.....	1,643	28,563	Machinery.....	100	20,000
Gravel.....	4,857	6,772	Unclassified:		
Sand (white).....	22,810	34,447	General merchandise.....	89	26,700
Sand.....	8,911	8,888	Garbage.....	8,266	39,950
Crushed stone.....	8,937	17,040			
Riprap.....	560	800			
Coal.....	38,033	283,950			
Ashes.....	3,798	2,062	Total.....	152,510	10,115,098

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	9	1,711	1,711	87	916	9	10
Towboats.....				42	111	7	11
Sailing vessels.....	4	86	86	28	102	3	10
Canal boats, lighters, barges, etc.....	78	159	159	30	1,000	1	12
Miscellaneous craft.....	3	19	19	100	800		12
Unregistered canal boats, lighters, barges, etc.....	31	44	44	200	800	5	12

PASSENGERS CARRIED

To and from Coney Island.....	997,287
To and from Rockaway.....	142,164
Total.....	1,139,451

NEW YORK HARBOR, N. Y.

AMBROSE, MAIN SHIP. BAYSIDE, AND GEDNEY CHANNELS, INCLUDING UPPER BAY (ANCHORAGE CHANNEL) AND CRAVEN SHOAL, AND CHANNEL BETWEEN STATEN ISLAND, AND HOFFMAN AND SWINEBURNE ISLANDS.

Comparative statement of traffic.

FOREIGN.

Year.	Tons.	Value.	Year.	Tons.	Value.
1898.....	9,250,000	\$1,058,520,139	1909.....	11,141,396	\$1,521,966,090
1900.....	11,000,000	1,177,463,035	1910.....	12,028,131	1,727,006,057
1901.....	10,500,000	1,188,227,632	1911.....	13,581,200	1,744,877,134
1902.....	9,960,000	1,145,029,311	1912.....	14,186,489	1,915,644,233
1903.....	10,921,000	1,212,250,833	1913.....	15,552,678	2,140,243,067
1904.....	9,961,400	1,212,377,112	1914.....	15,238,067	2,056,847,222
1905.....	9,366,000	1,311,461,581	1915.....	17,885,893	2,216,337,518
1906.....	11,782,000	1,460,812,356	1916.....	22,963,249	3,743,430,013
1907.....	12,317,000	1,613,110,384	1917.....	24,007,169	5,586,740,276
1908.....	12,541,419	1,613,031,266	1918.....	18,407,667	3,917,355,373

The above is compiled from Chamber of Commerce reports for fiscal years.

The following is a statement of all commerce passing through the entrance channels during the calendar years 1919 and 1920.

Year.	Foreign.		Coastwise.		Total.		Passengers.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	
1919....	16,907,055	\$2,865,758,884	9,434,927	\$691,335,761	26,341,982	\$3,557,094,645	2,512,535
1920....	22,441,521	4,108,191,019	4,506,822	523,532,693	26,948,343	4,631,723,712	1,140,739

Drift of vessels that crossed the outer bar during the calendar year 1920.

[Taken from the records of the New York and New Jersey Pilot Commissioner's Office.]

Draft.	Outward.		Inward.		Total.	
	Vessels.	Trips.	Vessels.	Trips.	Vessels.	Trips.
43 feet draft and under 44.....						
42 feet draft and under 43.....						
41 feet draft and under 42.....						
40 feet draft and under 41.....						
39 feet draft and under 40.....						
38 feet draft and under 39.....	1	5			1	5
37 feet draft and under 38.....	1	1			1	1
36 feet draft and under 37.....	2	9			2	9
35 feet draft and under 36.....	3	7	1	6	4	13
34 feet draft and under 35.....	3	13	1	2	4	15
33 feet draft and under 34.....	7	24	4	7	11	31
32 feet draft and under 33.....	12	32	4	5	16	37
31 feet draft and under 32.....	15	48	3	7	18	55
30 feet draft and under 31.....	30	58	11	17	41	75
29 feet draft and under 30.....	42	86	16	40	58	126
28 feet draft and under 29.....	61	120	42	92	103	212
27 feet draft and under 28.....	118	209	75	152	193	361
26 feet draft and under 27.....	127	228	102	223	229	451
25 feet draft and under 26.....	169	271	97	176	266	447
24 feet draft and under 25.....	187	306	99	210	286	516
23 feet draft and under 24.....	168	304	167	286	335	590
22 feet draft and under 23.....	141	240	168	312	309	552
21 feet draft and under 22.....	151	264	191	324	342	588
20 feet draft and under 21.....	144	265	151	262	295	527
19 feet draft and under 20.....	153	302	197	315	350	617
18 feet draft and under 19.....	164	308	260	443	424	751
17 feet draft and under 18.....	113	215	228	367	341	582
16 feet draft and under 17.....	126	214	215	351	341	565
15 feet draft and under 16.....	159	267	226	347	385	614
14 feet draft and under 15.....	174	285	193	308	367	593
13 feet draft and under 14.....	153	219	126	192	279	411
12 feet draft and under 13.....	116	152	82	126	198	278

Draft of vessels that crossed the outer bar during the calendar year 1920—Continued.

Draft.	Outward.		Inward.		Total.	
	Vessels.	Trips.	Vessels.	Trips.	Vessels.	Trips.
11 feet draft and under 12	43	61	39	56	82	117
10 feet draft and under 11	21	28	10	19	31	47
9 feet draft and under 10	14	21	5	6	19	27
8 feet draft and under 9	3	3	2	3	5	6
7 feet draft and under 8			1	1	1	1
6 feet draft and under 7	1	1			1	1
Total	2,622	4,566	2,716	4,655	5,338	9,221

[Navigation season, continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair		120		\$78,000
Hides	60		\$54,000	
Skins	60		24,000	
Vegetable food products, oil seeds, expressed oils, and beverages		2,950		472,500
Coffee	200		60,000	
Tapioca flour	2,750		412,500	
Other vegetable products, except fibers and wood:				
Rubber (crude)	1,100	1,100	220,000	220,000
Textiles: Kapoc	350	350	42,000	42,000
Wood and paper		6,703		637,023
Lath	65		5,396	
Piles or logs	510		11,227	
Rattan	110		18,600	
Precious woods	6,018		601,800	
Ores, metals and manufactures, except machinery and vehicles: Other metals (sheet, bar, etc.)	200	200	35,000	35,000
Chemicals	15	15	1,725	1,725
Unclassified: General merchandise	194,529	194,529	58,358,700	58,358,700
Total		205,967		59,844,948
EXPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages		30,352		8,696,600
Flour	475		48,500	
Sugar	27,777		8,333,100	
Miscellaneous foods	2,100		315,000	
Other vegetable products, except fibers and wood:				
Rosin	727	727	145,400	145,400
Wood and paper: Paper	3,690	3,690	202,950	202,950
Nonmetallic minerals		7,235		474,208
Lubricating oil	5,686		379,066	
Gasoline	182		18,250	
Kerosene	1,029		70,130	
Sulphur	338		6,760	
Ores, metals and manufactures, except machinery and vehicles		35,497		11,363,155
Iron (pig and scrap)	110		3,630	
Steel (sheet, bar, etc.)	6,035		4,828,000	
Steel manufactures	10,177		4,070,800	
Structural steel	12,148		1,214,800	
Wire (iron and steel)	318		159,000	
Lead (sheet, bar, etc.)	45		7,525	
Other metals (sheets, bar, etc.)	6,044		1,057,700	
Pipe (wrought iron)	620		21,700	
Machinery and vehicles		2,274		3,326,200
Agricultural implements	64		11,200	
Automobiles	2,210		3,315,000	
Unclassified: General merchandise	222,347	222,347	66,704,100	66,704,100
Total		302,122		90,912,611
Total imports and exports		508,089		150,757,559

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and paper logs.....		12,922	12,922	\$286,683	\$286,683	Miles. 324.0	Cents.
Nonmetallic minerals.....			32,949		30,719		
Gravel.....	178			375		53.3	
Sand.....	32,771			30,344		48.9	
Total.....	32,949	12,922	45,871		317,402		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals.....			330,259		3,210,768		
Coal.....	316,951			2,554,965		236.0	
Ashes.....	1,119			No value.		19.0	
Lubricating oil.....		428		28,550		276.0	
Other petroleum products.....	11,761			627,253		179.0	
Total.....	329,831	428	330,259		3,210,768		
RECEIPTS, INTRAPORT.							
Animals and animal products, except wool and hair.....			17,780		100,596		
Manure.....	17,724			70,806		9.0	
Lard and tallow oil.....		56		29,700		9.8	
Vegetable food products, oil seeds, expressed oils and beverages.....			1,402		284,050		
Flour.....		882		105,050		6.2	
Linseed oil.....	375			150,000		10.5	
Miscellaneous foods.....		145		29,000		9.0	
Other vegetable products, except wool and hair.....			2,071		905,188		
Rubber (crude).....		1,898		770,588		7.0	
Rosin.....		173		134,600		9.0	8.8
Textiles.....			881		503,000		
Rope.....		100		56,000		9.0	
Cotton (raw).....		781		447,000		8.0	17.5
Wood and paper.....			14,557		2,373,545		
Lumber and timber (sawed).....		366		4,875		10.5	7.6
Piles or logs.....		548		13,550		8.5	
Barrels (wood).....		13,643		2,355,120		6.5	
Nonmetallic minerals.....			1,520,216		89,824,226		
Asphalt.....	149			2,667		4.0	
Building brick.....	429			4,567		23.0	
Cement.....		615		8,993		8.5	15.9
Sand (white).....	324			700		12.0	
Paving blocks (asphalt).....	680			5,000		18.0	
Coal.....	79,811			641,340		8.0	
Ashes.....	19,517			2,927		9.0	
Lubricating oil.....	277	26,572		1,778,116		7.7	
Gasoline.....		1,498		164,648		6.0	
Kerosene.....		27,830		2,070,194		7.6	
Other petroleum products.....	150,206	350		2,098,991		8.6	
Chalk and whiting.....		9		279		11.5	
Fuel oil.....	1,185,294	16,007		82,675,917		7.2	
Fuller's earth.....	7,665			229,950		10.5	
Gas oil.....	2,147			46,617		6.8	
Grease (petroleum).....		256		15,180		10.0	
Naphtha.....		143		21,856		12.0	
Paraffine wax.....		437		56,384		3.0	
Ores, metals, and manufactures, except machinery and vehicles.....			10,347		3,077,360		
Copper (sheet, bar, etc.).....		4,234		1,370,200		11.0	9.0
Copper (ingot).....		5,291		1,616,100		11.0	
Cast-iron manufactures.....		175		10,500		10.5	
Steel (ingot, sheet, bar, etc.).....		20		2,400		10.5	
Steel manufactures.....		332		133,172		9.0	
Other metals (sheets, bar, etc.).....		287		38,988		3.0	
Other metal manufactures.....				6,000		3.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—CON.						<i>Miles.</i>	<i>Cents.</i>
Machinery and vehicles			9,010		\$12,361,202		
Agricultural implements		266		\$104,538		9.0	
Engines and machinery	1,049			966,525		15.5	
Automobiles	7,500			11,250,000		11.0	
Ships' gear	195			40,139		7.2	
Chemicals			3,681		220,630		
Chemicals	2,416			172,954		6.7	
Paint	1,265			47,676		7.8	
Unclassified: General merchandise		29,691	29,691	8,850,978	8,850,978	9.0	
Total	1,464,598	145,038	1,609,636		118,500,775		
Vegetable food products, oil seeds, expressed oils, and beverages			105,929		19,342,963		
Grain	6,456			344,739		12.0	
Sugar (raw)	78,540			15,666,100		9.5	
Coconuts	18			720		10.5	
Coffee	566			154,160		9.8	
Copra	3,410			575,080		15.0	
Miscellaneous foods	10,939			2,602,164		7.0	
Other vegetable products, except fibers and wood			1,800		1,010,856		
Rubber goods	726			581,546		6.8	
Rubber	1,074			429,310		9.0	
Textiles			25,492		8,499,921		
Cotton, (raw)	6,906			4,138,587		13.5	
Bags and bagging	5,914			2,021,610		8.0	
Burlap	12,492			2,292,363		9.2	
Hemp products	180			47,361		4.5	
Wood and paper			6,060		674,163		
Lumber and timber (sawed)	169			19,800		18.0	
Piles or logs	3,114			79,722		7.6	
Barrels (wood)	2,777			574,641		8.7	
Nonmetallic minerals			4,182,887		71,974,499		
Asphalt	1,280			26,000		25.5	
Marble		581		10,400		11.5	
Building stone		159		2,621		15.2	
Coal	3,314,191			26,631,891		20.0	
Coke	6,200			55,200		3.5	
Molding sand	10,941			26,818		19.0	5.8
Lubricating oil	399	179,376		9,786,048		9.6	
Gasoline		73,389		7,325,362		6.5	
Kerosene		6,709		457,935		6.0	
Other petroleum products							
Fuller's earth	340,196	4,676		11,404,732			
Gas oil	60			1,800			
Grease (petroleum)	107,966			2,501,136			
Naphtha		1,177		43,960			
Paraffine wax		99,481		10,942,916			
		36,206		2,756,680			
Ores, metals, and manufactures, except machinery and vehicles			192,504		32,859,823		
Steel (sheet, bar, etc.)	94,929			8,310,462			
Steel manufactures	55,256			20,474,350			
Structural steel	37,964			3,656,560			
Lead (sheet, bar, etc.)	3,660			292,800			
Other metals (sheet, bar, etc.)		695		125,651			
Machinery and vehicles			19,570		2,419,479		
Engines and machinery	19,442			2,387,875			
Ship's gear	128			31,604			
Chemicals			6,226		286,909		
Chemicals	3,188			112,302			
Fertilizer (chemical)	3,000			163,200			
Paint	38			11,407			
Unclassified: General merchandise		1,104,981	1,104,981	97,806,369	97,806,359		
Total	3,781,133	1,864,316	5,645,449		234,874,972		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages: Sugar (refined).....		1,322	1,322	\$405,388	\$405,388	Miles.	Cents.
Wood and paper: Lumber and timber (sawed).....		985	985	36,455	36,455		
Nonmetallic minerals.....			16,520	41,220	99,235		
Coal.....	4,616			53,005			
Clay.....	10,601			5,010			
Molding sand.....	1,303						
Machinery and vehicles: Machinery.....		40	40	20,000	20,000		
Unclassified: Ice.....		1,499	1,499	4,497	4,497		
Total.....	16,520	3,846	20,366		565,575		
SHIPMENTS, INTERNAL.							
Textiles: Burlap.....		744	744	263,598	263,598		
Nonmetallic minerals: Coal.....	18,884		18,884	172,878	172,878		
Total.....	18,884	744	19,628		436,476		
LOCAL.							
Vegetable food products, oil seeds, expressed oils, and beverages: Miscellaneous foods.....		2,000	2,000	390,000	390,000		
Other vegetable products, except fibers and wood: Rubber (crude).....	1,898		1,898	770,588	770,588		
Wood and paper: Lumber and timber (sawed).....		825	3,325	23,000	28,400		
Piles or logs.....		2,500		5,400			
Nonmetallic minerals.....			18,383		820,599		
Cement.....		140		1,500			
Sand.....	406			900			
Crushed stone.....	722			2,000			
Coal.....	5,496			42,880			
Lubricating oil.....		7,616		500,960			
Crude oil.....		3,621		251,109			
Paraffine wax.....		393		21,250			
Machinery and vehicles: Ship's gear.....		86	86	12,500	12,500		
Unclassified: General merchandise.....		178,210	178,210	12,373,773	12,373,773		
Total.....	8,511	195,391	203,902		14,395,960		
Total receipts and shipments (domestic).....	5,652,426	2,222,685	7,875,111		372,301,828		

Freight traffic, 1920—Continued.

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.	Classes and commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair:			Textiles:		
Fish (offal).....	688	\$2,752	Dry goods.....	45,108	\$23,515,406
Fish.....	34,665	7,819,501	Clothing and woolens.....	12,311	6,339,815
Oysters and clams.....	6,752	216,296	Cotton goods.....	53,569	23,850,450
Horses.....	884	395,750	Rope.....	12,390	3,473,307
Cattle.....	588	181,440	Wool.....	12,398	11,598,040
Sheep.....	3,230	817,226	Cotton (raw).....	104,817	43,014,390
Poultry.....	262	209,600	Bags and bagging.....	59,985	5,141,515
Leather goods.....	11,725	2,979,210	Burlap.....	39,098	6,004,410
Hides.....	31,036	26,572,730	Fibers.....	15,263	2,134,130
Leather.....	886	904,540	Flax.....	11	22,839
Manure.....	2,020	10,080	Hemp.....	7,518	2,286,378
Dressed meats.....	5,395	2,006,400	Linoleum.....	8,296	5,525,360
Dead animals.....	5,397	73,399	Cotton linters.....	371	53,650
Cod oil.....	902	264,450	Rags.....	1,804	104,724
Grease (animal).....	603	136,139	Wood and paper:		
Tallow.....	4,873	1,395,622	Paving blocks (wood).....	35	840
Lard.....	10,624	4,324,640	Lumber and timber.....	103,834	5,161,046
Meat products.....	680	272,000	Shingles.....	141	10,787
Offal.....	379	31,688	Lath.....	78	6,734
Skins.....	1,419	257,620	Balsa wood.....	1,044	93,854
Stearin.....	7	2,329	Piles or logs.....	101,025	724,258
Tankages.....	8,876	403,533	Ties.....	43,261	580,700
Wax.....	2,754	2,040,714	Cordwood.....	17,638	115,690
Vegetable food products, oilseeds, expressed oils, and beverages:			Wood pulp.....	51,458	1,702,933
Fruits.....	58,420	6,521,614	Barrels (wood).....	22,715	4,014,921
Vegetables.....	66,380	4,060,609	Cork.....	12,482	908,074
Flour.....	150,997	15,892,938	Felt (dry).....	8,422	819,828
Grain.....	604,469	29,617,322	Paper.....	32,845	3,004,289
Hay.....	1,816	21,952	Barrel staves.....	496	15,614
Sugar (raw).....	2,263,469	532,119,005	Shooks.....	10,010	365,482
Sugar (refined).....	87,387	28,224,911	Precious woods.....	15,753	2,101,664
Beer and ale.....	791	33,640	Wood pulpboard.....	45	3,674
Wine.....	394	191,872	Nonmetallic minerals:		
Miscellaneous oils.....	23,537	8,313,800	Asphalt.....	134,496	3,044,743
Bananas.....	307,791	12,545,640	Building brick.....	116,814	653,267
Castor oil.....	9	3,600	Brick (hollow tile).....	85,433	1,396,848
Castor seeds.....	250	33,500	Brick (fire).....	23,679	492,439
Cottonseed oil.....	12,783	2,935,242	Marble.....	758	22,840
Cocoa.....	24,578	9,024,490	Building stone.....	16,644	305,436
Cocoa beans.....	3,132	808,720	Cement.....	186,676	3,740,874
Coconuts.....	12,938	1,025,608	Lime.....	2,534	103,933
Coconut oil.....	1,351	531,927	Gravel.....	181,170	271,194
Coffee.....	74,003	22,662,206	Sand.....	915,484	914,639
Copra.....	87	10,400	Sand (fire).....	142	610
Confectionery.....	819	819,000	Sand (white).....	21,999	32,000
Flaxseed.....	5,671	715,186	Crushed stone.....	863,939	1,340,723
Linseed oil.....	33,461	13,411,855	Riprap.....	25,058	35,332
Linseed.....	244,774	29,088,962	Flagging.....	425	3,750
Miscellaneous foods.....	267,434	44,124,618	Paving blocks (asphalt).....	9,996	100,344
Molasses.....	43,597	6,043,410	Paving blocks (stone).....	28,110	275,385
Brazilian nuts.....	2,800	560,000	Sewer pipe.....	7,484	111,330
Oil cake.....	3,844	732,800	Salt.....	17,367	838,485
Olive oil.....	117	49,700	Glassware.....	7,496	2,249,344
Palm oil.....	307	78,325	Clay manufactures.....	4,891	160,513
Sirup.....	4,573	361,410	Coal.....	17,892,094	143,780,659
Vinegar.....	59	5,870	Coke.....	216,784	2,297,174
Other vegetable products, except fibers and wood:			Ashes.....	655,233	74,271
Rubber goods.....	9,000	6,094,945	Cellar dirt.....	625,743	No value.
Dyewoods.....	22,620	968,205	Fire clay.....	862	4,991
Sumac.....	620	40,000	Clay.....	36,062	319,455
Nutgalls.....	335	227,800	Molding sand.....	100,652	398,926
Cigars.....	1,243	1,864,500	Lubricating oil.....	462,824	30,855,021
Tobacco.....	46,329	32,122,013	Gasoline.....	1,181,066	116,567,655
Turpentine.....	11,535	897,236	Kerosene.....	2,713,246	89,008,151
Rubber (crude).....	23,756	7,099,100	Other petroleum products.....	2,333,471	95,345,893
Tar oil.....	5,306	58,624	Chalk and whiting.....	55,688	906,726
Pine tar.....	631	37,860	Sulphur.....	195,979	3,903,220
Pitch.....	6,949	554,498	Beach sand.....	101	375
Rosin.....	32,357	5,561,972	Carbonate of lime.....	565	1,411
Rosin oil.....	626	109,014	Crude oil.....	3,502,855	242,866,194
			Fuel oil.....	558,627	36,320,104
			Fuller's earth.....	712	14,550
			Gas oil.....	523,703	11,137,339

Freight traffic, 1920—Continued.

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.	Classes and commodities.	Amount in short tons.	Value.
Nonmetallic minerals—Continued.			Ores, metals and manufactures, except machinery and vehicles—Continued.		
Grease (petroleum)...	8,487	\$657,898	Pipe (cast-iron).....	13,647	\$947,049
Gypsum rock.....	9,249	97,172	Pipe (steel).....	14,267	1,318,450
Limestone dust.....	286	1,716	Hardware.....	41,377	10,366,409
Acetate of lime.....	24	1,685	Barrytes ore.....	2,500	40,000
Miscellaneous oils.....	30,754	8,629,157	Cinder iron ore.....	37,929	80,141
Mortar.....	2,620	50,917	Chrome ore.....	11,127	445,000
Naphtha.....	5,090	381,942	Other ores.....	7,533	80,132
Plaster.....	237,513	3,107,383	Tin concentrates.....	17,920	14,000,000
Plaster boards.....	279	11,213	Pig tin.....	124	109,298
Plaster of Paris.....	238	6,381	Machinery and vehicles:		
Pumice stone.....	1,506	30,130	Agricultural imple-		
Varnolene.....	883	70,593	ments.....	96,771	7,958,525
Water gas oil.....	9,969	163,487	Engines and ma-		
Paraffin wax.....	40,433	3,931,814	chinery.....	124,392	27,106,930
Ores, metals and manufactures, except machinery and vehicles:			Automobiles.....	18,807	22,957,600
Slag.....	37,500	No value.	Launches.....	23	15,000
Aluminum (sheet, bar, etc.).....	1,304	841,774	Sewing machines.....	14,718	4,387,705
Aluminum manuf-			Ship's gear.....	1,179	366,040
acture.....	199	158,307	Chemicals:		
Copper ore.....	4,713	235,650	Iron oxide.....	7,385	126,930
Copper (sheet, bar, etc.).....	88,020	29,310,074	Alcohol and products.....	15,877	13,359,868
Copper (ingot).....	99,369	30,472,085	Chemicals.....	228,572	29,438,669
Copper manufactures.....	27,791	9,683,587	Coal tar.....	972	51,625
Iron ore.....	16,995	4,031,480	Fertilizer (chemical).....	301,508	17,650,668
Iron (pig and scrap).....	19,637	793,510	Ammunition.....	3,465	3,465,000
Iron (sheet, bar, etc.).....	150,236	12,266,061	Cresote oil.....	6,860	157,362
Cast-iron manufac-			Paints.....	18,738	5,742,704
tures.....	13,301	3,309,500	Soap.....	71,205	18,531,013
Steel (ingot, sheet, bar, etc.).....	73,724	5,105,096	Varnish.....	5,691	2,162,580
Steel manufactures.....	161,132	61,651,361	Unclassified:		
Structural steel.....	77,677	6,867,580	Ice.....	27,439	87,117
Wire (iron and steel).....	14,177	3,336,246	Pianos.....	1,366	587,500
Lead (sheet, bar, etc.).....	42,290	6,302,812	General merchandise.....	8,428,293	2,432,257,573
Lead manufactures.....	2,654	512,672	Garbage.....	390,025	39,950
Other metals (sheet, bar, etc.).....	41,444	8,141,027	Lifboats and equip-		
Other metal manu-			ment.....	110	54,000
factures.....	25,163	13,450,751	Ordinance.....	356	100,000
Pipe (wrought-iron).....	18,140	506,685	Car ferry:		
			General merchandise.....	311,565	93,499,500
			Total.....	50,553,607	4,742,162,848

Freight traffic, 1920—Continued.
SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.
	Imports.		Exports.		Coastwise.		Other domestic.		
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	
Animals and animal products, except wool and hair.....	120	\$78,000					17,740	\$100,596	\$178,596
Vegetable food products, oil seeds, expressed oils and beverages.....	2,950	472,500	30,352	\$8,696,600			110,653	20,422,401	29,591,501
Other vegetable products, except fibers and wood.....	1,100	220,000	727	145,400			5,769	2,698,632	3,062,032
Textiles.....	350	42,000					27,117	9,296,519	9,308,519
Wood and paper.....	6,703	637,023	3,690	202,650		\$296,683	24,927	48,242	4,239,219
Nonmetallic minerals.....			7,235	474,206		3,241,487	5,756,890	162,891,437	166,907,130
Ores, metals and manufactures of, except machinery and vehicles.....	200	35,000	35,497	11,383,155			202,851	35,937,183	47,335,238
Machinery and vehicles.....	15	1,725	2,274	3,326,200			28,706	14,813,181	18,139,381
Chemicals.....							9,907	509,264	509,264
Unclassified.....	194,529	58,358,700	222,347	66,704,100			1,314,381	119,035,607	244,098,407
Total.....	205,967	59,844,948	302,122	90,912,611	376,130	3,528,170	7,498,981	368,773,658	523,059,397
							Short tons.		Value.
Car ferry.....								7,925,702	\$2,377,710,600
Cargoes in transit.....								50,533,607	4,742,162,848

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri-can.	For-eign.	Arri-vals.	Depart-ures.	Least.	Great-est.	Least.	Great-est.
Registered:								
Steamers.....	1,227	512	10,196	10,255	40	52,200	3	38
Sailing vessels.....	111	15	341	341	24	5,000	3	25
Canal boats, lighters, barges, etc.....	7,597		92,011	92,011	15	5,698	3	24
Miscellaneous craft.....	79		1,484	1,484	11	1,601	2	14
Car floats.....			31,678	31,678	1,200	3,000	3	7
Ferryboats.....	14		41,305	41,305	541	1,364	8	18
Unregistered canal boats, lighters, barges, etc.....	1,058		7,702	7,702	25	1,200	2	13

Passengers carried, 24,852,438.

BAY RIDGE AND RED HOOK CHANNEL, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers carried.
1899.....	3,294,825	\$108,324,148	(1)
1902.....	5,200,000	165,000,000	(1)
1904.....	2,000,000	75,000,000	(1)
1905.....	1,740,000	84,005,000	(1)
1907.....	4,204,000	162,000,000	(1)
1908.....	4,287,900	221,488,000	(1)
1911.....	4,502,000	232,562,000	(1)
1912.....	5,384,285	(1)	(1)
1913.....	6,651,489	(1)	(1)
1914.....	8,169,186	(1)	(1)
1915.....	10,416,118	484,022,000	(1)
1916.....	11,181,206	564,200,000	(1)
1917 (estimated) ²	12,000,000	650,000,000	(1)
1919 ³	6,566,312	697,305,583	1,045,308
1920 ⁴	5,263,182	890,229,115	2,282,831

¹ No statistics available.

² War conditions made it difficult to get accurate data for 1917. Statistics for 1918 were not collected.

³ Reduction in tonnage due to stoppage of commerce incident to the war, and unstable transportation conditions.

⁴ Exclusive of—

	Short tons.	Value.
Car-ferry traffic to and from Greenville, N. J.....	5,087,793	\$1,526,515.900
Cargoes in transit.....	2,063,504	23,227,685
Cargoes remaining in holds of vessels.....	7,653	1,530,600

[Navigation season, continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		5,390		\$4,542,480
Fish.....	178		\$28,480	
Leather goods.....	442		221,000	
Hides.....	4,770		4,293,000	
Vegetable food products, oil seeds, expressed oils, and beverages.....		249,898		39,454,117
Fruits.....	21,507		2,580,831	
Vegetables.....	2,717		181,125	
Grain.....	22,500		1,079,997	
Sugar.....	71,828		17,809,920	
Wine.....	306		148,240	
Cocoa.....	2,860		1,086,808	
Cocoa beans.....	13,700		2,500,000	
Coconuts.....	1,274		161,152	
Coconut oil.....	5,300		843,200	
Coffee.....	9,886		3,460,100	
Copra.....	400		48,000	
Linseed.....	47,943		3,410,910	
Miscellaneous food products.....	36,057		5,408,550	
Molasses.....	13,312		665,584	
Oil cakes.....	310		69,700	
Other vegetable products except wood and fiber.....		108,459		15,908,085
Rubber goods.....	90		72,000	
Dyewoods.....	2,737		177,905	
Tobacco.....	1,404		421,200	
Turpentine.....	519		37,180	
Rosin.....	129		25,800	
Rubber (crude).....	103,580		15,174,000	
Textiles.....		9,254		2,033,850
Dry goods.....	231		138,600	
Rope.....	81		12,150	
Wool.....	759		743,820	
Cotton (raw).....	2,308		461,600	
Fibers.....	4,116		535,080	
Hemp.....	1,759		142,600	
Wood and paper.....		95,723		8,282,643
Lumber and timber (sawed).....	73		2,938	
Wood pulp.....	53,021		5,941,240	
Corkwood.....	8,602		638,160	
Paper.....	4,191		230,505	
Wood (precious).....	29,836		1,419,800	
Nonmetallic minerals.....		47,883		1,139,160
Marble.....	16,214		259,424	
Sand.....	5,069		4,694	
Salt.....	4,217		219,284	
Clay manufactures.....	120		44,800	
Clay.....	683		4,900	
Oil (lubricating).....	712		47,454	
Chalk and whiting.....	9,118		282,658	
Other petroleum products.....	6,726		145,466	
Pumice stone.....	5,024		130,480	
Ores, metals, and manufactures of, except machinery and vehicles.....		46,333		12,486,397
Slag.....	600		800	
Aluminum (sheet, bar, etc.).....	2,378		1,543,222	
Aluminum manufactures.....	283		226,400	
Copper (ingots).....	14,571		5,528,000	
Copper manufactures.....	134		40,200	
Steel (ingots, sheet, bar).....	1,250		100,000	
Steel manufactures.....	455		182,000	
Lead (sheet, bars).....	1,060		305,000	
Other metals (sheet, bars).....	22,490		3,936,750	
Hardware.....	1,049		262,250	
Ores.....	2,073		362,775	
Machinery and vehicles: Machinery.....	588	588	117,600	117,600
Chemicals.....		26,145		3,452,081
Chemicals.....	23,560		2,709,400	
Chemical fertilizer.....	71		3,337	
Paints.....	2,514		739,344	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—Continued.				
Unclassified.....		436,876		\$129,096,810
General merchandise.....	435,876		\$128,969,800	
Wax.....	1,000		127,010	
Total.....		1,026,549		216,513,223
EXPORTS.				
Animals and animal products, except wool and hair.....		7,840		6,838,760
Fish.....	3,489		558,240	
Leather goods.....	902		2,451,000	
Leather.....	2,980		3,407,420	
Hides.....	469		422,100	
Vegetable food products, oil seeds, expressed oils, and beverages.....		494,429		38,061,710
Fruits.....	2,553		308,360	
Vegetables.....	90		6,000	
Flour.....	63,159		6,618,010	
Grain.....	335,229		16,644,290	
Sugar.....	21,907		4,381,400	
Beer and ale.....	146		18,080	
Coffee.....	250		87,500	
Cottonseed oil.....	934		206,000	
Miscellaneous food products.....	61,301		9,195,150	
Oil cake.....	8,856		599,920	
Other vegetable products, except fibers and wood.....		18,075		24,070,132
Rubber goods.....	2,329		1,863,200	
Dye wood.....	712		46,280	
Tobacco.....	14,753		22,129,500	
Turpentine.....	281		31,152	
Textiles.....		5,709		2,988,000
Dry goods.....	2,077		1,246,200	
Clothing and woolems.....	664		332,000	
Cotton goods.....	1,575		630,000	
Rope.....	198		28,700	
Wool.....	95		93,100	
Cotton.....	1,100		658,000	
Wood and paper.....		13,302		837,029
Lumber and timber (sawed).....	9,534		381,377	
Wood pulp.....	628		52,752	
Cork.....	235		188,000	
Paper.....	1,180		64,900	
Shooks.....	1,725		150,000	
Nonmetallic minerals.....		286,549		8,312,799
Asphalt.....	1,795		56,220	
Brick (fire).....	450		14,339	
Cement.....	21,716		546,565	
Lime.....	476		16,556	
Salt.....	1,063		54,756	
Coal.....	154,311		1,672,120	
Coke.....	41,249		371,241	
Clay.....	100		900	
Oil (lubricating).....	17,278		1,751,876	
Gasoline.....	14,376		1,437,574	
Kerosene.....	26,489		1,805,209	
Other petroleum products.....	3,060		212,192	
Chalk and whiting.....	1,000		35,000	
Sulphur.....	53		2,950	
Wax (petroleum).....	3,143		336,301	
Ores, metals and manufactures of, except machinery and vehicles.....		204,251		46,699,939
Agricultural implements.....	8,211		1,436,925	
Aluminum (sheet, bar, etc.).....	2,056		1,334,344	
Copper ores.....	3,532		176,600	
Copper (sheet, bar, etc.).....	722		237,500	
Copper (manufactures).....	2,065		638,900	
Iron (pig and scrap).....	555		18,315	
Iron (sheet and bars).....	8,542		730,745	
Cast-iron manufactures.....	2,924		531,000	
Steel (ingots, sheet, bar).....	31,684		2,534,680	
Steel manufactures.....	111,037		35,227,060	
Structural steel.....	8,502		884,500	
Wire (iron or steel).....	8,993		136,745	
Lead (sheet, bars, etc.).....	247		24,700	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Ores, metals, and manufactures of, except machinery and vehicles—Continued.				
Lead manufactures.....	80		\$16,000	
Other metals (sheet, bars).....	1,261		220,675	
Other metal manufactures.....	215		166,250	
Pipe (wrought iron).....	420		42,000	
Pipe (wrought-iron).....	420		42,000	
Pipe (cast iron).....	410		41,000	
Pipe (steel).....	9,050		1,365,750	
Hardware.....	3,745		936,250	
Machinery and vehicles.....		17,646		\$12,632,800
Machinery.....	10,618		2,091,800	
Automobiles.....	7,028		10,542,000	
Chemicals.....		59,417		8,974,565
Alcohol and products.....	2,938		2,568,300	
Chemicals.....	53,214		6,109,610	
Chemical fertilizer.....	2,365		211,155	
Soap.....	900		85,500	
Unclassified.....		1,086,254		323,958,500
Pianos.....	286		107,250	
General merchandise.....	1,085,968		323,851,250	
Total.....		2,193,472		473,376,234
Total imports and exports.....		3,220,021		689,889,457

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Fish		1,803	1,803	\$324,540	\$324,540	Miles. 6,528.0	Cents.
Vegetable food products, oil seeds, expressed oils and beverages.....			3,150		424,010		
Vegetables.....		609		42,960		6,528.0	
Miscellaneous foodstuff.....		2,541		381,150		6,528.0	
Wood and paper.....			6,191		94,298		
Lumber and timber (sawed).....		40		1,587		6,528.0	
Piles and logs.....		109		2,396		6,528.0	
Ties.....		6,042		90,315		3,714.0	
Nonmetallic minerals.....			79,566		809,940		
Gravel.....	2,214			2,870		45.8	1.0
Sand.....	44,642			42,198		38.9	1.2
Coal.....	7,840			80,000		327.0	.7
Sulphur.....	24,870			684,872		2,251.0	.3
Unclassified: General merchandise.....		6,836	6,836	2,050,800	2,050,800	6,528.0	
Total.....	79,566	17,980	97,546		3,703,588		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE.							
Vegetable food products, oil seeds, expressed oils and beverages.....			4,010		\$585,843	Miles.	Cents.
Miscellaneous foodstuff.....		3,822		\$573,300		6,528.0	
Vegetable oil.....		188		12,543		6,528.0	
Other vegetable products, except fibers and wood.....			434		532,600		
Rubber goods.....		312		349,600		6,528.0	
Tobacco.....		122		183,000		6,528.0	
Textiles.....			1,445		491,550		
Dry goods.....		529		317,400		6,528.0	
Cotton goods.....		147		58,800		6,528.0	
Rope.....		769		115,350		6,528.0	
Wood and paper: Lumber and timber (sawed).....		83	83	3,315	3,315	6,528.0	
Nonmetallic minerals.....			30,763		113,300		
Marble and stone.....		663		13,608		6,528.0	
Cement.....		64		1,276		6,528.0	
Glassware.....		119		41,650		6,528.0	
Ashes.....	27,636			No value.		20.5	5.6
Clay.....	133			998		6,528.0	
Oil (lubricating).....		274		18,293		6,528.0	
Pumice stone.....	1,874			37,475		32.0	15.6
Ores, metals, and manufactures of, except machinery and vehicles.....			14,264		4,461,715		
Iron (sheet and bars).....		215		18,275		6,528.0	
Steel manufactures.....		9,452		3,700,800		6,528.0	
Wire (iron or steel).....		1,771		26,565		6,528.0	
Lead manufactures.....		43		8,600		6,528.0	
Other metal (sheet, bar).....		397		69,475		6,528.0	
Other metal manufactures.....		83		62,250		6,528.0	
Hardware.....		2,303		575,750		6,528.0	
Machinery and vehicles:							
Machinery.....		2,429	2,429	485,800	485,800	6,528.0	
Chemicals.....		8,671	8,671	997,165	997,165	6,528.0	
Unclassified: General merchandise.....		7,833	7,833	2,349,900	2,349,900	6,528.0	
Total.....	29,643	40,299	69,932		10,021,188		
RECEIPTS, INTRAPORT.							
Vegetable food products, oil seeds, expressed oils and beverages.....			95,695		7,353,376		
Vegetables.....		477		31,800		5.5	
Flour.....		15,676		1,734,640		4.8	
Grain.....	55,042			2,640,772		7.0	
Coconut oil.....		34		4,446		16.4	
Cottonseed oil.....		1,699		369,328		7.0	20.0
Miscellaneous foodstuff.....		1,205		330,800		6.3	12.7
Molasses.....		21,572		2,241,560		6.3	
Other vegetable products, except fibers and wood.....			8,677		4,316,822		
Rubber goods.....		4,360		3,488,000		5.5	
Tobacco.....		191		190,722		5.5	
Turpentine.....		1,278		77,550		5.5	
Rosin.....		2,661		491,850		7.0	
Crude rubber.....		187		68,700		7.0	
Textiles.....			7,110		2,902,171		
Cotton goods.....		247		223,500		7.0	17.1
Cotton.....		6,564		2,532,400		6.3	12.8
Burlap.....		69		15,349		7.0	25.7
Fibers.....		99		111,232		2.0	
Linters.....		131		19,650		7.0	14.3
Wood and paper:							
Lumber and timber (sawed).....		3,775		107,480		5.5	
Piles or logs.....		3,300		297,000		5.5	
Ties.....		15,492		126,072		6.3	
Paper.....		830		91,165		6.3	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package		By commodities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Nonmetallic minerals.....			1,133,586		\$68,109,982	Miles.	Cents.
Asphalt.....		1,187		\$29,675		5.4	
Brick (fire).....		409		5,868		19.6	
Building stone.....		1,198		12,250		5.5	
Cement.....		40,300		327,275		6.3	
Crushed stone.....	1,301			4,525		17.7	
Salt.....		120		6,240		7.0	
Glassware.....		238		83,300		5.5	
Coal.....	267,928			2,277,388		14.6	2.7
Coke.....	6,200			55,800		3.8	
Ashes.....	3,305			496		6.2	
Clay.....	1,765			40,730		14.4	1.4
Lubricating oil.....		76,288		5,178,000		8.1	
Gasoline.....		361,399		35,185,275		7.3	
Chalk and whiting.....		79		3,160		7.0	
Sulphur.....	1,581			79,025		5.4	37.0
Crude oil.....		112		7,800		5.4	
Grease.....		5,046		316,626		7.3	
Other petroleum products.....	9,406	8,720		520,727		7.3	
Kerosene.....		274,493		19,871,713		7.8	
Fuel oil.....		30,811		1,646,100		8.2	
Plaster.....		17,765		373,065		5.4	
Varnolene.....		128		17,900		5.4	
Wax (petroleum).....		22,307		2,066,994		8.2	
Ores, metals and manufactures of, except machinery and vehicles.....			65,683		10,729,433		
Agricultural implement.....		300		86,000		5.5	
Aluminum (sheet, bar).....		1,104		711,974		13.6	
Copper (sheet, bars, etc.).....		9,759		2,927,700		10.9	
Copper (ingots).....		3,287		965,900		10.9	
Iron (pig and scrap).....		3,100		296,000		5.5	
Steel (ingots, sheets).....		8,540		702,401		10.6	18.9
Steel manufactures.....		2,790		778,469		6.3	
Structural steel.....		10,493		920,200		6.3	
Wire (iron or steel).....		2,700		40,500		5.5	
Other metals (sheet, bar).....		12,087		2,034,226		5.5	
Other metal manufactures.....		5,994		555,783		5.4	
Pipe (cast-iron).....		710		71,000		5.5	
Pipe (steel).....		3,300		276,400		5.5	
Hardware.....		399		150,200		5.5	
Ship gear.....		1,100		187,960		8.6	
Barrels (drums).....		20		4,720		7.3	
Machinery and vehicles.....			19,013		24,800,111		
Machinery.....		4,015		2,890,511		6.3	
Automobiles.....		14,998		21,909,600		8.2	
Chemicals.....			13,615		4,048,928		
Alcohol and products.....		262		234,300		7.0	
Chemicals.....		8,579		2,066,182		9.8	20.
Coal tar.....		97		6,913		13.6	
Chemical fertilizer.....		1,262		68,563		15.0	
Ammunition.....		1,300		1,300,200		21.8	
Paint.....		1,154		341,475		7.0	
Soap.....		961		91,295		23.7	
Unclassified.....			29,153		8,210,865		
Planes.....		52		12,000		5.5	
General merchandise.....		29,101		8,198,865		6.2	
Total.....	350,303	1,044,126	1,394,429		131,093,355		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT.							
Animals and animal products, except wool and hair: Hides.....		5, 280	5, 280	\$3, 622, 200	\$3, 622, 200	Miles. 6.3	Cents. 12.7
Vegetable food products, oil seeds, expressed oils and beverages.....			93, 939		13, 064, 913		
Fruits.....		2, 259		289, 625		6.3	15.9
Vegetables.....		263		17, 510		5.5	
Flour.....		70		7, 420		4.1	
Grain.....	32, 050			1, 846, 214		8.9	
Sugar.....		35, 144		6, 864, 540		5.5	
Coffee.....		1, 546		713, 718		6.3	19.0
Cocoa beans.....		913		187, 400		5.5	
Coconuts.....		1, 122		135, 480		5.5	
Flaxseed.....	5, 571			815, 185		5.5	
Miscellaneous foodstuff.....		3, 351		556, 760		6.3	12.7
Molasses.....		11, 650		1, 631, 060		5.5	
Other vegetable products, except fibers and wood.....			4, 264		1, 041, 409		
Tobacco.....		1, 208		360, 000		5.5	
Crude rubber.....		1, 106		446, 056		4.6	
Rosin.....		1, 950		235, 353		9.2	
Textiles.....			13, 868		3, 227, 523		
Cotton.....		822		315, 375		7.0	
Bags and bagging.....		5, 418		1, 370, 328		5.5	
Burlap.....		4, 724		993, 299		9.2	
Fibers.....		2, 904		548, 520		5.5	
Wood and paper.....			9, 572		2, 873, 919		
Cordwood.....		2, 800		50, 000		5.5	
Wood pulp.....		133		13, 990		5.5	
Barrels (empty).....		2, 250		2, 350, 528		7.2	
Corkwood.....		1, 689		176, 000		5.5	
Paper.....		2, 700		283, 400		5.5	
Nonmetallic minerals.....			213, 378		4, 596, 119		
Marble and stone.....		9, 169		175, 356		11.6	
Sand.....	5, 400			6, 000		1.0	
Salt.....		1, 975		27, 500		10.9	
Ashes.....	434			163		11.7	
Clay.....	1, 292			24, 705		6.3	31.7
Oil (lubricating).....		1, 411		179, 027		7.3	
Gasoline.....		7		1, 058		5.5	
Kerosene.....		61		5, 934		8.2	
Sulphur.....	192, 239			3, 956, 976		7.4	
Fullers' earth.....		700		140, 000		5.5	
Other petroleum products.....	400			70, 600		5.5	
Pumice stone.....	290			5, 800		5.5	
Ores, metals, and manufactures of, except machinery and vehicles.....			24, 379		916, 077		
Copper ore.....	3, 873			244, 000		10.9	
Iron ore.....	10, 823			216, 460		13.1	
Iron (pig and scrap).....		403		9, 755		5.5	
Other metals (sheet, bars).....		671		104, 015		5.5	
Other ores.....	7, 533			30, 132		13.6	
Ship gear.....		1, 076		311, 715		4.8	
Machinery and vehicles.....							
Machinery.....		4, 075	4, 075	3, 167, 515	3, 167, 515	21.8	
Chemicals.....			31, 965		2, 144, 275		
Chemicals.....		5, 379		463, 890		6.3	31.7
Chemical fertilizer.....		26, 586		1, 680, 415		8.0	22.0
Unclassified: General merchandise.....		28, 287	28, 287	9, 289, 794	9, 289, 794	8.8	
Total.....	259, 905	169, 111	429, 016		43, 943, 744		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			35,410		\$10,147,280	Miles.	Cents.
Sugar.....		33,668		\$9,960,180		20.0	
Sirup.....		1,742		187,100		20.0	
Wood and paper: Lumber and timber (sawed).....	92		92	4,699	4,699	85.0	
Nonmetallic minerals.....			8,621		61,015		
Brick (building).....	5,976			52,216		92.0	
Crushed stone.....	1,611			5,575		44.0	
Molding sand.....	1,034			3,224		148.0	
Ores, metals, and manufactures of, except machinery and vehicles.....			2,095		863,876		
Iron (pig and scrap).....		782		25,146		452.0	
Steel manufactures.....		1,333		838,730		85.0	
Total.....	8,713	37,505	46,218		11,076,870		
SHIPMENTS, INTERNAL.							
Other vegetable products, except fibers and wood: Dye woods.....		629	620	40,000	40,000	23.0	
Textiles: Burlap.....		336	336	131,892	131,892	20.0	
Nonmetallic minerals.....			4,132		103,376		
Clay.....	2,346			14,076		104.0	1.9
Sulphur.....	1,786			89,300		148.0	
Machinery and vehicles: Machinery.....		5	5	1,000	1,000	20.0	
Total.....	4,132	961	5,093	276,268	276,268		
LOCAL.							
Other vegetable products, except fibers and wood: Cotton.....		109	109	65,400	65,400	2.4	
Nonmetallic minerals: Oil (lubricating).....		372	372	23,720	23,720	1.6	
Ores, metals, and manufactures of, except machinery and vehicles: Ship gear.....		144	144	24,245	24,245	1.7	
Machinery and vehicles: Machinery.....		302	302	111,280	111,280	1.0	
Total.....		927	927		224,645		
Total receipts and shipments, domestic.....	732,262	1,310,895	2,043,161		200,339,658		

Freight traffic, 1920—Continued.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair:			Nonmetallic minerals—Continued.		
Horses.....	364	\$144,500	Flagging.....	425	\$3,750
Cattle.....	1,605	711,540	Salt.....	10,849	563,148
Sheep.....	82	29,610	Coal.....	786,151	6,682,283
Manure.....	30,000	60,000	Coke.....	39,400	500,000
Vegetable food products, oil seeds, expressed oils, and beverages:			Ashes.....	79,898	38,119
Flour.....	1,094	112,767	Lubricating oil.....	2,831	237,446
Grain.....	8,217	415,660	Gasoline.....	8,630	688,401
Miscellaneous food-stuff.....	6,061	237,093	Kerosene.....	11,603	753,796
Other vegetable products, except fibers and wool:			Other petroleum products.....	353	34,871
Rubber goods.....	700	350,000	Fuel oil.....	1,124	57,798
Turpentine.....	1,514	109,806	Plaster.....	12,604	247,278
Pitch.....	72	3,240	Stone dust.....	2,805	18,000
Pine tar.....	406	22,180	Wax (petroleum).....	154	8,395
Rosin.....	1,485	169,250	Gas oil.....	132,375	3,300,000
Rosin oil.....	217	45,353	Ores, metals, and manufactures of, except machinery and vehicles:		
Textiles:			Copper (sheet, bar, etc.).....	25	7,500
Cotton.....	88	52,800	Copper (ingots).....	534	160,200
Burlap.....	276	71,250	Iron (pig and scrap).....	2,910	57,819
Felt.....	4,770	419,248	Iron (sheet and bar).....	5,100	433,000
Hemp.....	180	47,361	Structural steel.....	700	143,000
Wood and paper:			Lead (sheet, bar, etc.).....	561	9,372
Lumber and timber (sawed).....	20,356	773,029	Other metals (sheet, bar, etc.).....	582	102,140
Piles or logs.....	750	16,500	Iron oxide.....	1,600	38,500
Laths.....	84	7,520	Barrels.....	17	9,463
Cordwood.....	5,362	38,300	Ship gear.....	278	91,700
Paper.....	84	5,040	Machinery and vehicles:		
Shooks.....	490	8,820	Machinery.....	1,082	372,500
Nonmetallic minerals:			Automobiles.....	240	400,000
Asphalt.....	16,934	204,600	Chemicals:		
Brick (building).....	35,784	217,585	Chemical fertilizer.....	4,000	116,000
Brick (fire).....	297	6,000	Chemicals.....	1,212	16,972
Cement.....	127,277	2,144,788	Coal tar.....	48,184	530,067
Lime.....	2,086	67,036	Paints.....	1,500	600,000
Gravel.....	7,425	14,750	Unclassified:		
Sand.....	98,478	106,000	General merchandise.....	1,977	198,384
Sand (white).....	3,360	5,057	Garbage.....	382,008	No value.
Crushed stone.....	145,891	191,100	Total.....	2,063,504	23,227,685

Freight Traffic, 1920—Continued.

SUMMARY.

Class of commodities.	Foreign.			Domestic.				Total.	
	Imports.		Exports.	Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.		Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	5,390	\$4,542,490	7,840	1,803	\$324,540	5,289	\$3,622,200	20,322	\$15,327,980
Vegetable food products, oil seeds, expressed oils and beverages.....	249,898	39,454,117	494,429	7,160	1,009,833	225,044	30,565,569	976,531	109,091,249
Other vegetable products, except fibers and wood.....	108,459	15,908,085	18,075	434	532,900	13,670	5,463,631	140,638	45,974,448
Textiles.....	9,254	2,033,850	5,709	1,445	491,550	21,314	6,261,586	37,722	11,774,986
Wood and paper.....	95,723	8,282,643	13,302	6,274	97,613	33,061	3,500,335	148,360	12,717,620
Nonmetallic minerals.....	47,883	1,139,160	286,549	110,329	923,240	1,358,569	72,894,162	1,803,350	83,270,361
Ores, metals, and manufactures of, except machinery and vehicles.....	46,333	12,496,397	204,251	14,264	4,461,715	92,301	12,533,631	357,149	76,181,682
Machinery and vehicles.....	598	117,600	17,646	2,429	485,900	23,395	28,079,906	44,058	41,317,106
Chemicals.....	28,145	3,432,081	59,417	8,671	997,165	45,580	6,193,214	139,813	19,617,014
Unclassified.....	436,876	129,066,810	1,086,254	14,669	4,400,700	57,440	17,500,659	1,586,239	474,866,669
Total.....	1,026,549	216,513,223	2,193,472	167,478	13,724,776	1,875,683	186,614,882	5,263,182	890,229,115

Class of commodities.	Short tons.		Value.
Car ferry.....	5,087,793		\$1,526,515,900
Cargoes remaining in holds of vessels.....	7,653		1,530,900
Cargoes in transit.....	2,063,504		23,227,685

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri- can.	For- eign.	Arriv- als.	Depart- ures.	Least.	Great- est.	Least.	Great- est.
Registered:								
Steamers.....	477	216	991	991	40	14,901	4	31
Ferryboats.....	8		24,989	24,989	541	825	8	18
Towboats.....	150		9,440	9,440	15	189	4	15
Sailing vessels.....	6	9	32	32	50	3,000	10	27
Canal boats, lighters, barges, etc..	2,137		4,347	4,347	15	1,300	3	18
Car floats.....	162		15,369	15,369	1,200	1,600	4	7
Miscellaneous craft.....	2		38	38	254	754		14
Unregistered, canal boats, lighters, barges, etc.....	332		920	920	50	1,081	2	15

Passengers carried, 2,262,831.

The following vessels visited repair yards on the waterway:

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri- can.	For- eign.	Arriv- als.	Depart- ures.	Least.	Great- est.	Least.	Great- est.
Registered steamers.....	300	255	555	555	2,600	26,000	7	28

GOWANUS CREEK, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895.....	266,299	(¹)	1903.....	237,300	\$3,048,390
1896.....	220,748	(¹)	1915.....	658,000	354,000
1897.....	215,352	\$2,631,752	1919.....	1,607,261	18,802,541
1899.....	237,300	3,048,390	1920.....	1,550,732	21,248,128
1902.....	237,300	3,048,390			

¹ No statistics available.

[Navigation season, continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Wood and paper.....		3,083		\$127,520
Lumber and timber (sawed).....	3,000		\$120,000	
Lath.....	83		7,520	
Nonmetallic minerals: Salt.....	500	500	26,000	26,000
Total.....		3,583		153,520

Freight traffic, 1926—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and paper: Cordwood		5,362	5,362	\$38,300	\$38,300	Miles. 345.0	Cents. 0.9
Nonmetallic minerals			97,753		111,750		
Gravel	7,375			14,750		36.0	
Sand	90,378			97,000		36.0	
Total	97,753	5,362	103,115		150,050		
SHIPMENTS, COASTWISE.							
Vegetable food products, oil seeds, expressed oils, and beverages: Miscellaneous food		5,079	5,079	40,593	40,593	480.0	
RECEIPTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair			2,051		876,767		
Horses		364		144,500		10.0	
Cattle		1,605		711,540		10.0	
Sheep		82		20,727		10.0	
Vegetable food products, oil seeds, expressed oils, and beverages			9,615		676,996		
Flour		199		20,017		4.4	
Grain		8,217		415,660		10.8	
Miscellaneous food		982		196,400		8.0	
Rosin oil		217		44,919		8.0	
Other vegetable products, except fibers and wood			5,273		991,876		
Pine tar		406		12,180		8.0	
Rubber goods		700		560,000		4.3	
Turpentine		1,514		109,806		8.0	
Pitch		72		1,440		8.0	
Rosin		2,581		308,450		8.0	
Textiles			5,013		504,409		
Cotton (raw)		63		37,800		4.9	
Hemp		180		47,361		4.3	
Felt		4,770		419,248		10.4	
Wood and paper			12,671		318,633		
Piles or logs		750		1,650		8.0	
Lumber and timber (sawed)	9,075			303,000		8.0	
Cordwood		2,800		5,000		1.0	
Barrels		46		8,983		5.4	
Nonmetallic minerals		10,269	1,104,124		12,068,045		
Asphalt				148,300		20.4	
Brick (building)	2,672			25,411		25.0	
Brick (fire)	297			6,000		23.4	
Cement		47,280		798,899		6.8	18.4
Lime		2,086		67,036		8.5	
Sand (white)	13,500			15,000		15.0	
Sand	3,036			4,697		15.0	
Crushed stone	21,667			32,000		19.0	
Salt		5,500		285,000		7.3	11.0
Coal	795,942			5,600,022		10.8	4.2
Coke	39,400			500,000		14.7	3.4
Ashes	3,332			500		7.0	
Lubricating oils	285	1,992		200,263		6.6	
Gasoline		1,174		117,367		8.0	
Kerosene		9,082		619,208		8.5	
Other petroleum prod- ucts		353		34,871		8.4	
Fuel oil		1,124		57,798		8.5	
Plaster		12,604		247,278		4.4	22.7
Gas oil	132,375			3,300,000		5.4	
Wax		154		8,395		5.4	
Ores, metals, and manufac- tures of, except machinery and vehicles			7,767		848,390		
Copper (bars, sheets, etc.)		25		7,500		9.0	11.1
Copper (ingots)		534		160,200		9.0	11.1
Iron (pig and scrap)	1,000			33,000		7.6	
Iron (sheet and bars)		5,100		433,000		7.6	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Ores, metals and manufactures of, except machinery and vehicles—Contd.						Miles.	Cents.
Steel structural		700		\$143,000		4.0	
Other metals (sheet and bars)		408		71,690		14.4	
Machinery and vehicles			2,067		\$928,525		
Machinery		1,180		386,100		6.1	
Automobiles (boxed)		240		400,000		7.6	
Ship gear		647		162,425		4.0	
Chemicals			49,784		568,567		
Coal tar		48,184		530,067		7.0	
Iron oxide		1,600		38,500		10.4	
Total	1,022,581	175,784	1,198,365	17,782,208	17,782,208		
SHIPMENTS, INTRAPORT.							
Animals and animal products, except wood and hair: Manure	30,000		30,000	60,000	60,000	7.0	
Vegetable food products, oil seeds, expressed oils and beverages			930		96,250		
Flour		895		92,750		4.4	
Miscellaneous food		35		3,500		7.0	
Textile: Burlap		253	253	19,470	19,470	7.6	
Wood and paper			581		14,340		
Barrels		7		480		7.6	10.5
Paper		84		5,040		7.6	10.5
Shooks		490		8,820		5.4	
Nonmetallic minerals			8,272		158,732		
Asphalt		6,665		56,300		7.0	
Oil (lubricating)		1,523		100,751		6.6	
Oil (creosote)		84		1,681		14.7	
Ores, metals, and manufactures of, except machinery and vehicles			2,645		111,369		
Iron (pig and scrap)	1,910			24,819		16.3	
Lead (sheet, bar, etc.)		561		56,100		7.0	28.6
Other metals (sheet, bar, etc.)		174		30,450		5.4	
Machinery and vehicles			413		136,900		
Machinery		265		79,700		5.0	
Ship gear		148		57,200		4.0	
Chemicals			1,748		796,500		
Oil (debenzozized)		53		1,500		5.0	
Paints and varnish		1,695		795,000		7.6	
Unclassified: General merchandise		711	711	25,784	25,784	7.0	
Total	31,910	13,643	45,553		1,419,345		
RECEIPTS, INTERNAL.							
Wood and paper: Lumber and timber (sawed)	2,281		2,281	50,029	50,029	179.0	1.6
Nonmetallic minerals			190,548		1,541,911		
Brick (building)	33,112			192,174		41.0	4.9
Cement		15,153		211,119		138.0	1.4
Crushed stone	124,227			159,100		45.0	1.0
Flagging		425		3,750		105.0	
Gasoline	7,456			571,034		90.0	
Kerosene	2,521			134,586		90.0	
Stone dust	2,805			18,000		45.0	
Salt		4,849		252,148		448.0	
Chemicals: Chemicals		1,212	1,212	16,972	16,972	71.8	
Unclassified: General merchandise		973	973	85,500	85,500	71.8	
Total	172,402	22,612	195,014	1,664,412	1,664,412		
SHIPMENTS, INTERNAL.							
Textiles: Burlap		23	23	8,000	8,000	21.0	9.5
Total receipts and shipments	1,324,646	222,503	1,547,149		21,094,608		

Freight traffic, 1920—Continued.

SUMMARY.

Class of commodities.	Foreign imports.		Domestic.				Total.	
	Tons.	Value.	Coastwise.		Other domestic.		Tons.	Value.
			Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair					32,051	\$936,767	32,051	\$936,767
Vegetable food products, oil-seeds, expressed oils, and beverages			5,079	\$40,563	10,545	773,246	15,624	813,839
Other vegetable products, except fibers and wood					5,273	991,876	5,273	991,876
Textiles					5,289	531,879	5,289	531,879
Wood and paper	3,083	\$127,520	5,362	38,300	15,533	383,002	23,978	548,822
Nonmetallic minerals	500	26,000	97,753	111,750	1,302,944	13,768,688	1,401,197	13,906,438
Ores, metals, and manufactures of, except machinery and vehicles					10,412	959,750	10,412	959,750
Machinery and vehicles					2,480	1,065,425	2,480	1,065,425
Chemicals					52,744	1,382,039	52,744	1,382,039
Unclassified					1,684	111,284	1,684	111,284
Total	3,583	\$153,520	108,194	190,643	1,438,955	20,903,965	1,550,732	21,248,128

VESSELS BUILT AND LAUNCHED.

Class.	Number built.	Value.
Barges	10	\$200,000

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri-can.	For-eign.	Arriv-als.	Depart-ures.	Least.	Great-est.	Least.	Great-est.
Registered:								
Steamers	13		90	90	40	248	4	11
Towboats	150		1,070	1,070	35	271	4	15
Sailing vessels	3	1	11	11	205	296		15
Canal boats, lighters, barges, etc.	969		2,139	2,139	15	1,000	2	14
Miscellaneous craft	2		38	38	254	754		14
Unregistered canal boats, lighters, barges, etc.	282		840	840	50	1,081	2	14

The following vessels visited repair yards on the waterway:

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri-can.	For-eign.	Arriv-als.	Depart-ures.	Least.	Great-est.	Least.	Great-est.
Registered:								
Steamers	210	15	225	225	1,500	14,901	10	22
Towboats	316		316	316	50	550	5	16
Sailing vessels	2		2	2	50	3,000	10	27
Canal boats, lighters, barges, etc.	292		292	292			4	12

EAST RIVER, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914.....	55,218,678	\$2,156,096,181	22,436,151	1918.....	59,581,457	\$4,447,041,016	20,172,494
1915.....	74,178,177	4,192,206,408	23,610,934	1919.....	53,414,753	4,099,494,175	35,622,401
1916.....	70,126,715	3,878,101,893	38,470,774	1920 ¹	30,710,144	1,950,280,999	36,141,379
1917.....	65,176,983	2,918,722,316	39,956,330				

¹ Exclusive of car-ferry traffic and cargoes in transit; included in previous years.

[Navigation season, continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		39,026		\$16,933,625
Fish.....	23,000		\$4,600,000	
Sheep.....	3,230		817,225	
Hides.....	12,796		11,516,400	
Vegetable food products, oilseeds, expressed oils, and beverages.....		1,167,266		206,459,71
Fruit.....	4,608		487,657	
Vegetables.....	4,843		387,444	
Grain.....	266		12,762	
Sugar.....	785,032		179,144,042	
Bananas.....	307,461		5,668,415	
Castor seed.....	250		33,500	
Cocos.....	5,551		1,794,230	
Coconuts.....	794		65,496	
Coffee.....	49,941		17,778,742	
Linseed.....	5,490		2,467,800	
Miscellaneous foods.....	226		44,225	
Brazilian nuts.....	2,800		560,000	
Tea.....	34		15,402	
Other vegetable products, except fibers and wood.....		46,753		8,695,897
Dyewood.....	20,922		946,597	
Tobacco.....	4,831		1,449,300	
Crude rubber.....	21,000		6,300,000	
Textiles.....		1,947		796,520
Wool.....	34		33,320	
Sisal and hemp.....	1,913		765,200	
Wood and paper.....		38,095		3,355,260
Lumber and timber.....	5,473		180,916	
Logs and piles.....	8,016		161,960	
Cork.....	2,103		168,240	
Precious woods.....	22,503		2,844,144	
Nonmetallic minerals.....		251,761		5,777,604
Sand.....	4,541		4,205	
Salt.....	2,021		102,030	
Other petroleum products.....	191,899		4,452,069	
Plaster.....	53,300		1,219,300	
Ores, metals, and manufactures of, except machinery and vehicles: Lead (sheet, bar, ingots).....	3,585	3,585	591,525	591,525
Chemicals.....		21,873		2,548,365
Alcohol and products.....	42		37,800	
Chemicals.....	21,831		2,510,565	
Unclassified: General merchandise.....	185,315	185,315	53,522,500	53,522,500
Total.....	1,755,621	1,755,621		300,683,011
Animals and animal products, except wool and hair.....		18,690		5,575,929
Fish.....	7,430		1,857,500	
Leather goods.....	6,113		3,066,500	
Leather.....	140		159,600	
Lard.....	5,000		500,000	
Stearine.....	7		2,329	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS—continued.				
Vegetable food products, oil seeds, expressed oils and beverages.		115,400		\$17,832,116
Fruits.....	143		\$19,000	
Flour.....	45,009		4,519,990	
Grain.....	5,489		290,002	
Hay.....	1,509		70,450	
Sugar.....	20,195		5,718,500	
Beer and ale.....	150		7,000	
Miscellaneous oils.....	1,317		178,282	
Coffee.....	60		21,000	
Miscellaneous foods.....	40,229		6,864,762	
Vegetables.....	1,299		113,150	
Other vegetable products, except fibers and wood.		3,855		1,583,462
Rubber goods.....	1,373		1,068,400	
Tobacco.....	100		11,100	
Turpentine.....	19		1,382	
Rosin.....	2,363		472,600	
Textiles.		53,432		24,350,300
Dry goods.....	18,159		12,295,400	
Clothing and woolens.....	3,956		2,353,000	
Cotton goods.....	6,054		2,421,600	
Rope.....	5,155		3,062,000	
Wool.....	365		357,700	
Cotton.....	1,055		663,000	
Bags and bagging.....	15,000		2,490,000	
Gunies.....	3,688		737,600	
Wood and paper.		2,442		134,434
Lumber and timber (sawed).....	671		27,434	
Logs and piles.....	640		14,060	
Wood pulp.....	610		51,240	
Cork.....	521		41,680	
Nonmetallic minerals.		97,966		6,110,778
Asphalt.....	375		9,375	
Brick (building).....	136		850	
Brick (fire).....	1,855		27,040	
Marble and stone.....	10		250	
Cement.....	18,335		390,260	
Lime.....	23		700	
Sewer pipe.....	6,500		260,000	
Salt.....	480		25,350	
Glassware.....	3,187		1,115,450	
Coal.....	8,485		101,504	
Coke.....	110		880	
Moulding sand.....	52		260	
Lubricating oil.....	26,331		1,753,595	
Gasoline.....	8,615		851,682	
Kerosene.....	21,723		1,480,379	
Other petroleum products.....	1,176		81,593	
Sulphur.....	560		11,200	
Fuller's earth.....	13		550	
Ores, metals and manufactures of, except machinery and vehicles.		176,767		15,240,496
Agricultural implements.....	62,540		2,757,500	
Aluminum (sheet, bar, etc.).....	200		129,800	
Aluminum manufactures.....	70		14,000	
Copper (sheet, bar, etc.).....	2,236		670,800	
Copper (ingots).....	840		252,000	
Iron (pig and scrap).....	155		5,115	
Iron (sheet and bars).....	28,437		1,969,085	
Cast-iron manufactures.....	1,578		256,500	
Steel (ingots, sheets, bars).....	17,612		1,010,560	
Steel manufactures.....	8,371		2,132,400	
Structural steel.....	12,794		645,000	
Wire (iron or steel).....	4,453		737,900	
Lead (Sheet, bar, ingots).....	116		9,936	
Lead manufactures.....	20		8,000	
Other metals (sheets, bar, etc.).....	5,426		224,560	
Pipe (wrought iron).....	8,000		26,000	
Pipe (cast-iron).....	4,725		85,500	
Pipe (steel).....	4,064		614,100	
Hardware.....	15,095		3,778,750	
Machinery and vehicles.		37,877		8,148,400
Machinery.....	35,167		4,083,400	
Automobiles.....	2,710		4,065,000	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Chemicals.....		33,617		\$5,926,010
Alcohol and products.....	2,847		\$2,562,300	
Chemicals.....	28,100		3,231,500	
Fertilizer (chemicals).....	2,530		118,910	
Soap.....	140		13,300	
Unclassified.....		482,554		144,803,250
Pianos.....	484		182,250	
General merchandise.....	482,070		144,621,000	
Total.....		1,022,600		229,706,175
Total imports and exports.....		2,778,221		530,388,186

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.			1,798		\$204,948	Miles.	Cents.
Fish.		807		\$104,748		131.0	
Oysters and clams.		922		45,000		185.0	
Poultry.		69		55,200		108.0	
Vegetable food products, oil seeds, expressed oils, and beverages.			1,300		147,276		
Fruits.		1,084		129,996		106.0	
Vegetables.		216		17,280		108.0	
Other vegetable products, except fibers and wood.			4,543		3,616,755		
Dyewoods.		547		35,555		185.0	
Tobacco.		3,996		3,581,200		108.0	
Textiles.			23,597		11,494,300		
Dry goods.		8,597		5,159,300		70.5	6.2
Clothing and woollens.		3,228		1,614,000		108.0	
Cotton goods.		11,750		4,700,000		252.0	
Wool.		22		21,000		33.0	
Wood and paper.			37,298		2,021,167		
Lumber and timber (sawed).	18,851			657,714		430.0	
Wood pulp.	2,309			193,956		252.0	
Boxboard paper.		3,317		464,342		108.0	
Paper.		12,821		705,155		108.0	
Nonmetallic minerals.			1,086,815		2,776,212		
Lime.		909		24,743		350.0	
Gravel.	188,485			282,038		29.0	
Sand.	752,896			728,023		29.0	
Crushed stone.	49,720			86,050		58.1	
Paving block (stone).	35,320			264,898		244.0	
Glassware.		1		450		70.5	13.9
Coal.	3,962			35,380		330.0	
Clay.		1,584		49,440		40.0	
Other petroleum products.	51,564			1,237,915		2,123.0	
Chalk and whiting.		2,097		56,160		40.0	
Minerals.		277		11,115		40.0	4.0
Ores, metals and manufac- tures of, except machin- ery and vehicles.			35,380		9,130,818		
Iron (sheet, bar, etc.).		20		2,000		396.0	
Cast-iron manufactures.		3,108		812,377		33.0	
Steel manufactures.		14,866		1,766,581		33.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE—CON.							
Ores, metals and manufac- tures of, except machin- ery and vehicles—Contd.						Miles.	Cents.
Wire (iron or steel).....		989		\$168, 800		108.0	
Other metals (sheet, bar).....		33		13, 200		396.0	
Other metal manufac- tures.....		5, 066		3, 549, 200		108.0	
Cast-iron pipe.....		43		4, 910		33.0	
Hardware.....		11, 255		2, 813, 750		108.0	
Machinery and vehicles:							
Machinery.....		4, 322	4, 322	874, 400	\$874, 400	396.0	
Unclassified.....			174, 338		61, 119, 800		
Pianos.....		556		208, 500		108.0	
General merchandise.....		173, 782		60, 911, 300		43.6	5.2
Total.....	1, 103, 107	206, 284	1, 369, 391		91, 385, 676		
SHIPMENTS, COASTWISE.							
Animals and animal prod- ucts, except wool and hair.....			4, 163		1, 289, 900		
Leather goods.....		2, 558		1, 279, 000		108.0	
Hides.....		5		4, 500		330.0	
Manure.....	1, 600			6, 400		108.0	
Vegetable food products, oil seeds, expressed oils, and beverages.....			86, 691		24, 287, 964		
Fruits.....		2, 452		304, 317		219.0	
Vegetables.....		4, 112		328, 962		108.0	
Flour.....		1, 182		120, 585		197.0	
Grain.....		200		9, 600		108.0	
Sugar.....		78, 403		23, 507, 400		300.0	
Molasses.....		342		17, 100		108.0	
Other vegetable products, except fibers and wood.....			7, 092		3, 432, 800		
Rubber goods.....		2, 416		1, 932, 800		219.0	
Dyewoods.....		645		42, 325		108.0	
Tobacco.....		600		420, 000		300.0	
Turpentine.....		193		14, 857		56.3	
Pitch.....		934		151, 618		94.9	
Crude rubber.....		2, 904		871, 200		185.0	
Textiles.....			88, 303		51, 527, 400		
Dry goods.....		10, 934		6, 609, 200		219.0	2.3
Clothing and woolens.....		2, 094		1, 047, 000		219.0	
Cotton goods.....		6, 482		2, 592, 800		219.0	
Rope.....		15		6, 000		330.0	
Wool.....		124		80, 000		151.0	4.4
Cotton.....		68, 654		41, 192, 400		137.0	
Wood and paper.....			2, 916		140, 097		
Lumber and timber (sawed).....	1, 419	60		69, 290		396.0	
Wood pulp.....		30		2, 520		330.0	
Paper.....		1, 407		68, 287		108.0	
Nonmetallic minerals.....			1, 150, 860		6, 346, 606		
Cement.....		25		400		396.0	
Glassware.....		10		3, 500		330.0	
Clay manufactures.....		15		600		330.0	
Coal.....	453, 410			4, 048, 310		430.0	7
Coke.....	2, 688			21, 504		108.0	
Ashes.....	280, 608			2, 980		23.5	
Cellar dirt.....	360, 743			No value.		23.5	
Clay.....		2, 694		60, 125		40.0	
Lubricating oil.....		3, 366		240, 857		56.6	
Gasoline.....		750		75, 000		24.0	
Other petroleum prod- ucts.....	57, 301			1, 783, 696		48.4	
Chalk and whiting.....		8, 966		100, 496		40.0	
Sulphur.....		1		110		33.0	
Minerals.....		282		8, 860		40.0	4.0
Wax (petroleum).....		1		168		29.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, COASTWISE— continued.							
Ores, metals, and manu- factures of, except machi- nery and vehicles.			18,732	\$15,000	\$6,772,805	Miles.	Cents.
Copper manufactures.		25		15,151		396.0	0.1
Iron (sheet, bar, etc.)		110		490,750		33.0	
Cast-iron manufactures.		1,930		1,500		330.0	
Steel (ingots, sheet, bar)		15		1,140,060		330.0	
Steel manufactures.		2,856		130,800		108.0	
Wire (iron or steel)		669		198,000		330.0	.1
Other metals (sheet, bar, etc.)		495		2,463,900		108.0	
Other metal manu- factures.		3,377		2,317,624		179.0	
Hardware.		9,255					
Machinery and vehicles:							
Machinery.		1,483	1,483	316,850	316,850	157.0	
Chemicals.			6,756		516,076		
Chemicals.		3,743		374,640		157.0	
Coal tar.		5		55		330.0	
Fertilizer (chemical).		3,008		141,381		68.0	
Unclassified.			329,406		85,789,275		
Pianos.		25		9,375		330.0	.2
General merchandise.		251,920		85,779,900		128.0	5.4
Garbage.	77,521			No value.		23.5	
Total.	1,215,290	481,772	1,697,062		180,419,773		
RECEIPTS, INTRAPORT.							
Animals and animal pro- ducts, except wool and hair.			175,927		63,918,133		
Fish.		636		152,640		19.0	
Oysters and clams.		3,317		145,332		21.6	
Cattle.		112,158		51,936,360		4.0	
Sheep.		17,308		5,243,486		4.0	
Leather goods.		329		164,500		28.3	
Hides.		1,388		1,249,200		4.0	
Leather.		136		155,040		4.0	
Manure.	30,000			60,000		5.0	
Dressed meats.		144		46,090		4.0	
Lard.		8,548		4,274,000		4.0	
Fish oil.		448		96,925		18.0	16.6
Tallow.		1,515		394,570		7.8	
Vegetable food products, oil seeds, expressed oils, and beverages.			467,099		50,198,681		
Fruit.		2,463		357,557		4.0	
Vegetables.		3,197		121,396		15.2	
Flour.		56,996		5,910,717		5.4	
Grain.		122,058		6,082,818		4.3	
Hay.		1,675		83,750		4.0	
Sugar.		85,016		21,690,409		3.0	
Beer and ale.		407		16,280		4.0	
Wine.		40		19,388		4.0	
Miscellaneous oils.		19		15,000		4.0	
Cocoa.		487		194,800		4.0	
Coconuts.		4,110		197,280		4.0	
Coconut oil.		336		91,403		22.8	
Coffee.		1,977		622,850		3.0	
Corn sugar.		3,282		330,154		12.0	
Miscellaneous foods.		15,231		1,461,582		4.7	
Molasses.		31		8,000		4.0	
Cottonseed oil.		3,969		866,927		4.0	
Edible oils.		3,375		1,475,300		10.0	
Vegetable oils.		96,045		2,585,105		18.0	
Linseed.		25,760		2,000,000		4.0	
Cottonseed oil.		11,809		2,582,398		4.0	
Oil cake.		936		65,520		449.0	
Salad oil.		1,597		798,272		12.0	
Sirup.		26,283		2,621,775		12.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Other vegetable products, except fibers and wood			29,824	\$1,830,816	\$7,476,636	Miles.	Cents.
Rubber goods		2,845		78,700		11.0	
Dyewoods		2,674		873,900		10.6	
Tobacco		2,913		5,273		4.0	
Turpentine		73		6,871		3.0	46.6
Pitch		329		3,437,543		7.0	
Rosin		15,698		52,414		3.0	26.6
Rosin oil		284		820,666		12.8	18.2
Crude rubber		2,199		370,453		13.8	
Starch		2,809				12.0	
Textiles			44,590		16,670,853		
Dry goods		29		17,400		28.3	
Cotton goods		1,036		518,000		16.1	37.3
Wool		131		128,380		4.0	20.0
Cotton		9,991		5,886,900		28.3	
Bags and bagging		8,603		1,428,098		9.8	
Burlap		5,485		1,279,845		7.0	
Textiles		9,996		1,605,610		16.1	
Hemp		1,200		480,000		2.0	
Linters		104		15,600		4.0	
Linoleum		8,000		5,330,000		14.9	
Rags		15		1,020		4.0	20.0
Wood and paper			153,449		4,082,568		
Paving blocks (wood)	35			840		17.2	
Lumber and timber (sawed)	75,412			2,863,333		4.6	
Piles		64,522		644,504		3.0	
Ties		7,123		111,472		4.0	
Cordwood		1,680		4,479		3.0	
Cork		127		7,600		5.0	
Paper		4,011		408,490		16.1	
Shooks		187		3,130		5.9	
Precious woods		352		38,720		4.0	
Nonmetallic minerals			15,537,165		179,790,351		
Asphalt	964	31,994		876,997		4.0	
Brick (building)	575			6,555		27.3	
Brick (hollow tile)		72,973		1,253,210		22.4	
Brick (fire)		10,668		267,468		22.4	
Marble		25,023		562,038		4.4	31.8
Building stone		24,895		473,005		4.0	25.0
Cement		399,941		6,212,845		4.4	28.4
Lime		1,400		45,797		4.0	
Sand	27,628			26,416		27.3	
Sand (white)	12,649			19,500		18.0	
Paving blocks (stone)	200			600		2.0	
Salt		11,017		471,950		4.0	
Clay manufactures		4,444		140,016		15.6	11.5
Coal	12,182,194			97,892,631		18.9	
Coke	19,919			202,116		8.4	
Ashes	1,252,547			188,024		4.5	
Clay	10,452			140,845		15.6	
Molding sand	1,064			5,320		25.2	
Lubricating oil		89,590		6,458,570		7.0	
Gasoline		154,723		13,964,538		7.0	
Kerosene		85,724		5,057,527		7.0	
Other petroleum products	786,734	51,764		37,544,997		18.1	
Sulphur		1,887		82,705		5.4	
Fuller's earth		1,916		148,875		4.0	
Grease (petroleum)		4,212		356,619		11.0	
Crude oil		9,068		627,718		7.8	
Fuel oil		54,920		1,273,197		11.0	
Gas oil		178,555		4,165,333		11.0	
Acetate of lime		48		1,685		17.2	
Naphtha		99		12,923		5.9	
Plaster		14,830		221,779		6.8	
Pumice stone		290		5,800		5.0	
Wax (petroleum)		12,014		1,063,312		11.0	
Varnolene		243		19,440		7.8	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Ores, metals, and manu- factures of, except ma- chinery and vehicles.			456,032		\$85,317,429	Miles.	Cents.
Agricultural imple- ments.		7,599		\$1,644,172		4.0	
Aluminum (sheet, bar, etc.).		61		39,554		12.0	
Copper (sheet, bar, etc.).		19,600		5,945,947		12.7	7.8
Copper (ingots).	5,603			1,659,300		7.4	
Copper manufactures.		16,424		5,703,339		11.0	36.3
Iron (pig and scrap).	14,104			245,352		4.0	25.0
Iron (mine tailing).		10,428		947,300		4.0	20.0
Steel (ingots, sheet, bars).		5,804		447,110		5.6	
Steel manufactures.		50,777		16,940,014		13.1	
Structural steel.		139,723		13,992,158		4.9	
Wire (iron or steel).		28,000		7,496,557		4.0	20.0
Lead (sheet, bars, and ingots).		24,938		3,603,400		20.6	
Lead manufactures.		6,900		1,592,000		10.6	
Other metal (sheet, bar, etc.).		32,157		6,304,602		5.9	
Other metal manu- factures.		16,619		5,003,282		5.9	
Pipe (wrought iron).		13,753		481,253		16.1	
Pipe (steel).		11,212		965,300		4.0	
Hardware.		1,508		256,633		17.8	
Barrels (steel).		50,922		12,051,156		4.2	
Machinery and vehicles.			67,802		35,446,617		
Machinery.		36,606		6,790,299		5.0	
Automobiles.		16,088		24,129,000		9.4	
Sewing machines.		14,718		4,387,705		12.8	
Ships' gear.		392		139,613		6.4	
Chemicals.			179,212		22,483,319		
Iron oxide.	4,916			75,689		12.8	
Alcohol.		194		82,840		10.6	
Chemicals.		82,103		7,343,450		12.0	
Coal tar.		340		3,740		12.8	
Fertilizer (chemical).		43,327		2,558,250		12.9	
Dextrine.		24		2,963		12.0	
Paint.		2,567		921,243		22.8	
Soap.		45,741		11,495,164		12.0	
Unclassified.			1,148,306		220,843,370		
General merchandise.		1,148,196		220,789,370		12.0	
Lifeboats and equip- ment.		110		54,000		15.2	
Total.	14,424,997	3,834,409	18,259,406		696,227,957		
SHIPMENTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair.			86,710		15,409,985		
Fish.		1,112		278,000		4.0	
Leather goods.		24		10,000		22.8	
Hides.		23,698		13,259,697		8.4	
Leather.		127		144,780		17.4	
Manure.	35,724			111,396		14.2	
Dead animals.		384		5,222		20.9	
Grease (animal).		20		4,189		5.0	
Cod oil.		742		264,550		18.0	
Fish oil.		325		69,525		18.0	
Oléo oil.		603		60,000		4.0	
Offal.		314		31,408		17.2	
Stearin.		245		90,880		4.0	
Tallow.		23,374		1,079,458		4.3	
Wax.		18		900		9.1	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT—CON.							
Vegetable food products, oil seeds, expressed oils, and beverages.			346,838	\$53,674,148		Miles.	Cents.
Fruits		2,361		\$336,600		4.0	
Vegetables		56,710		56,615		4.0	35.0
Flour		93,177		9,173,622		11.3	
Grain		80,817		4,411,081		3.3	
Sugar		63,935		20,549,080		18.5	
Castor seed		18,350		2,385,500		8.5	
Cocoa		1,850		703,000		4.0	20.0
Coconuts		7,804		274,592		4.0	
Cocoa beans		7,012		1,963,360		4.0	
Coffee		16,228		4,439,264		4.0	20.0
Copra		87		10,400		17.2	
Flaxseed		5,216		837,549		17.2	
Miscellaneous foods		23,655		3,815,500		4.0	20.0
Linseed oil		1,950		600,000		4.0	
Olive oil		912		485,500		4.0	
Palm oil		37		2,238,325		9.4	
Molasses		8,177		694,160		445.0	
Oil cake		14,560		700,000		4.0	
Other vegetable products, except fibers and wood			17,500		4,270,646		
Rubber goods.		2,241		1,792,800		16.1	
Dye woods		24,373		24,245		4.0	
Tobacco		2,884		865,200		4.0	
Turpentine		5,801		391,189		11.4	
Pitch		4,002		26,493		26.7	
Rosin		3,607		513,119		8.4	16.6
Crude rubber		2,192		657,600		28.3	
Textiles			40,701		11,545,270		
Dry goods		65		39,000		28.3	
Cotton goods		1,564		653,395		11.8	
Rope		6,796		2,564,580		5.5	
Cotton		643		364,100		16.1	8.7
Bags and bagging		7,459		1,201,952		3.0	
Burlap		18,580		5,499,209		26.6	
Fiber		3,606		784,480		4.0	
Flax		11		22,839		17.2	
Hemp		699		382,878		17.2	23.2
Rags		1,276		62,657		12.8	
Wood and paper			40,544		1,976,329		
Lumber and timber							
(sawed).....	3,368			154,610		10.7	
Precious woods	1,800	1,843		424,516		2.0	
Piles and logs		11,228		147,156		8.4	
Wood pulp		2,210		164,204		15.0	
Barrels (wood)		8,366		201,541		11.8	
Cork		8,976		718,090		15.0	
Paper		10,269		158,146		5.9	
Shooks		484		8,076		7.8	
Nonmetallic minerals			3,053,250		88,060,043		
Asphalt	3,237	1,736		106,268		4.0	
Marble		2,064		57,029		3.0	33.3
Building stone		1,198		12,250		5.0	
Cement		358		6,265		2.0	
Lime		418		12,722		8.4	
Riprap	24,543			36,337		4.0	
Paving block (stone)	551			1,470		17.2	
Salt		5,000		21,500		5.0	
Glassware		1,443		505,050		4.0	
Coal	33,722			180,394		12.3	
Coke	36,036			226,216		13.3	
Ashes	1,814,339			332,633		4.0	
Cellar dirt	137,270			11,800		2.0	
Clay		516		3,096		4.0	
Lubricating oil	4,091	6,265		785,640		9.4	
Gasoline		391,566		60,045,614		5.8	
Kerosene		156,411		11,930,983		4.8	
Other petroleum products	376,563	575		12,088,489		9.0	
Chalk and whiting		289		8,309		16.7	
Sulphur		1,411		28,220		4.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, IMPORT & EXPORT—CON.							
Nonmetallic minerals—Con.						Miles.	Cents.
Grease petroleum.		21		\$2,231		5.0	
Crude oil.		6		409		7.0	
Drip oil.		4,505		79,775		12.0	
Fuel oil.		395		22,154		5.3	
Tar oil.		6,015		92,950		12.0	
Wash oil.		130		2,529		2.0	
Naphtha.		6,851		941,477		4.0	
Plaster.		1,982		53,263		8.7	
Plaster material.		23,450		355,500		3.7	
Plaster boards.		141		5,698		17.2	
Wax (petroleum).		204		34,432		9.1	8.8
Water-gas tar.		9,246		85,450		2.0	
Ores, metals and manufactures of, except machinery and vehicles.			41,303		\$8,249,688		
Copper (sheet, bar, etc.).		13		3,900		28.3	
Copper (ingots).		478		177,000		18.4	
Copper manufactures.		282		93,919		21.2	
Iron ore.	2,599			51,980		4.0	
Iron (pig and scrap).	13,210			435,930		4.0	
Iron (sheet and bar).		147		12,376		12.9	
Iron (cast) manufactures.		87		19,531		8.4	
Steel (sheet, bar, etc.).		197		2,007,760		28.3	
Steel manufactures.		1,685		605,194		5.3	
Wire (iron or steel).		4,464		609,198		4.0	
Lead (sheet, bar, ingot).		255		34,800		17.6	4.5
Lead manufactures.		7,443		2,368,900		17.6	1.4
Other metals (sheet, bar).		1,477		286,096		16.5	
Other metal manufactures.		937		665,122		16.0	
Pipe (wrought-iron).		536		19,766		23.9	
Hardware.		323		68,940		15.8	
Barrels (steel).		7,092		783,036		11.8	
Pig tin.		78		6,240		28.3	
Machinery and vehicles.			4,753		10,904,939		
Machinery.		3,168		9,671,089		19.8	
Automobiles.		752		1,109,500		4.0	20.0
Launches.		16		22,500		4.0	
Ships' gear.		817		101,850		8.5	
Chemicals.			264,727		7,853,855		
Iron oxide.	45			645		16.1	
Alcohol.		550		556,570		7.8	
Chemicals.		103,210		3,996,225		11.5	6.9
Coal tar.		147,755		1,625,346		8.5	
Fertilizer (chemical).		9,363		570,366		10.7	
Ammunition.		74		74,000		4.0	20.0
Creosote oil.		79		1,681		12.0	
Paint.		3,071		910,722		10.0	
Soap.		580		118,300		16.1	4.9
Unclassified.			455,498		123,481,879		
Pianos.		117		43,875		4.0	
General merchandise.		455,381		123,438,004		18.9	
Total.	2,487,098	1,864,726	4,351,824		325,446,782		
RECEIPTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages.			187,020		46,668,045		
Flour.		26,212		2,674,600		445.0	
Grain.		30,341		1,456,380		445.0	
Sugar (refined).		128,464		41,834,440		19.0	
Sirup.		2,003		702,625		19.0	
Wood and paper.			996		37,336		
Lumber and timber (sawed).	744			30,000		182.0	
Shingles.		3		138		182.0	
Laths.		47		6,003		182.0	
Shavings.		202		1,195		182.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL—CON.						<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals.			634,497	\$4,882,784			
Brick (building).....	57,820			\$500,463		64.0	
Cement.....		84,946		1,458,303		116.0	
Sand.....	945			1,050		116.0	
Crushed stone.....	446,976			585,128		45.0	1.1
Flagging.....		1,033		11,949		103.0	
Paving block (asphalt).....	3,385			33,915		22.0	
Salt.....		2,220		108,200		445.0	
Molding sand.....	10,455			13,676		156.0	0.8
Lubricating oil.....		8,000		496,000		88.0	
Gasoline.....		18,717		1,665,100		98.0	
Ores, metals, and manufactures of, except machinery and vehicles.			12,998	5,870,343			
Copper manufactures.....		3,088		997,200		89.5	
Iron (sheet, bar, etc.).....		2,274		76,838		445.0	0.7
Cast-iron manufactures.....		292		73,000		147.0	
Wire (iron or steel).....		500		78,300		75.0	
Other metal manufactures.....		6,116		4,587,000		19.0	
Pipe (wrought-iron).....		243		9,505		445.0	1.4
Pipe (cast-iron).....		485		48,500		445.0	
Machinery and vehicles:							
Machinery.....		4,475	4,475	2,239,500	2,239,500	89.0	
Unclassified: Ice.....		186,715	186,715	603,927	603,927	116.0	
Total.....	520,325	506,376	1,026,701		60,301,935		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair: Hides.....		5	5	4,500	4,500	445.0	
Vegetable food products, oil seeds, expressed oils, and beverages.....			52,382	5,156,580			
Linseed.....		52,344		5,151,600		445.0	
Miscellaneous foods.....		20		3,000		445.0	
Molasses.....		18		1,980		445.0	
Other vegetable products, except fibers and wood.....			467	116,750			
Rubber goods.....		72		18,000		157.0	
Pitch.....		247		61,750		157.0	
Rosin.....		148		37,000		157.0	
Textiles.....			642	249,060			
Clothing and woolens.....		323		161,500		157.0	
Cotton goods.....		16		6,400		445.0	
Rope.....		86		21,500		157.0	
Burlap.....		217		59,660		207.0	
Wood and paper.....			2,949	329,935			
Barrels (wood).....		2,931		328,125		19.0	
Paper.....		18		1,810		445.0	
Nonmetallic minerals.....			3,040	128,432			
Asphalt.....		135		33,750		157.0	
Paving block (stone).....	2,000			25,000		88.0	
Coal dust.....	300			900		90.0	
Coke.....	300			1,292		27.0	
Lubricating oil.....		265		66,250		88.0	
Chalk and whiting.....		40		1,240		445.0	
Ores, metals, and manufactures of, except machinery and vehicles.....			1,253	300,604			
Copper (ingots).....	500			100,000		75.0	4.0
Copper manufactures.....		289		72,250		157.0	
Iron (sheet, bar).....		11		2,750		157.0	
Cast-iron manufactures.....		15		3,750		157.0	
Steel (ingots, sheets).....		93		23,250		157.0	
Steel manufactures.....		148		46,354		219.0	
Lead (sheet, bar, etc.).....		62		15,500		157.0	
Other metals (sheets, bars, etc.).....		40		10,000		157.0	
Other metal manufactures.....		45		14,250		88.0	
Pipe (wrought-iron).....		40		10,000		157.0	
Hardware.....		10		2,500		157.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTERNAL—CON.							
Machinery and vehicles:						Miles.	Cents.
Machinery.....		7,238	7,238	\$199,500	\$199,500	88.0	
Chemicals.....			794		92,886		
Chemicals.....		645		63,086		157.0	
Paints.....		149		29,800		445.0	
Unclassified: General mer- chandise.....		5,153	5,153	1,537,910	1,537,910	66.0	
Total.....	3,100	70,823	73,923		8,116,187		
LOCAL.							
Animals and animal prod- ucts, except wool and hair.....			6,968		473,957		
Fish.....		16		2,825		1.5	
Oysters and clams.....		6		3,000		1.5	
Manure.....	2,145			8,580		3.5	
Meat and meat products.....		801		119,552		1.5	
Oil.....		4,000		340,000		2.0	
Vegetable food products, oil seeds, expressed oils, and beverages.....			172,965		30,889,255		
Fruits.....		56		11,038		1.5	
Vegetables.....		306		26,803		1.5	
Flour.....		109,406		12,618,224		4.0	
Grain.....		63		2,753		1.5	
Hay.....		35		1,613		1.5	
Straw.....		10		307		1.5	
Sugar.....		42,141		16,187,866		2.0	
Cocoa.....		260		98,800		2.0	
Coconuts.....		601		28,848		2.0	
Coffee.....		1,000		350,000		3.0	
Miscellaneous foods.....		19,087		1,562,993		1.5	
Other vegetable products, except fibers and wood: Turpentine.....		114	114	6,897	6,897	2.0	
Textiles.....			3,437		1,181,458		
Bags and bagging.....		3,063		508,458		1.0	
Burlap.....		374		673,000		1.0	
Wood and paper.....			4,130		101,651		
Lumber and timber (sawed).....	2,203			40,800		1.5	
Cordwood.....		700		2,071		1.0	
Paper.....		1,000		55,000		1.0	
Shooks.....		227		3,780		2.0	
Nonmetallic minerals.....			883,997		9,052,279		
Asphalt.....		251		6,983		2.0	
Marble.....		135		7,000		1.0	
Cement.....		47		769		1.5	
Lime.....		290		8,727		.5	
Riprap.....	3,251			5,689		2.0	
Salt.....		3,082		46,430		1.0	
Glassware.....		2		1,159		1.5	
Coal.....	25,868			232,866		1.5	
Coke.....	35,630			254,087		1.7	
Ashes.....	615,310			92,319		1.7	
Lubricating oil.....		485		105,573		2.0	
Gasoline.....		1,066		104,634		2.0	
Kerosene.....		4,933		257,351		2.0	
Other petroleum prod- ucts.....	155,657	7		7,217,523		1.5	
Fuel oil.....		3,978		79,582		2.0	
Naphtha.....		735		81,585		2.0	
Plaster material.....		33,300		550,000		8.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By com- modities.	By classes.		
LOCAL—continued.							
Ores, metals and manu- factures of, except ma- chinery and vehicles.						<i>Miles.</i>	<i>Cents.</i>
Structural steel.		1,904	3,298	\$188,033	\$403,025	1.5	
Lead (sheet, bar, in- gots).		50		8,500		2.0	
Lead manufactures.		864		165,000		1.5	
Pipe (wrought-iron)		280		9,800		2.0	
Hardware.		10		3,849		1.5	
Barrels (steel)		190		27,843		1.5	
Machinery and vehicles.			1,547		12,699,346		
Machinery.		1,429		12,667,596		9.0	
Ship's gear.		118		31,750		2.0	
Chemicals.			2,164		241,271		
Chemicals.		1,396		160,540		2.0	
Fertilizer (chemical)		594		27,918		1.5	
Paint.		174		52,813		1.5	
Unclassified.			74,996		21,955,364		
General merchandise.		74,996		21,955,364		1.5	
Total.	940,064	313,552	1,153,616		77,004,503		
Total receipts and shipments.	20,593,981	7,337,942	27,931,923		1,428,902,813		

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.	Classes and commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair:			Other vegetable products, except fibers and wood:		
Fish.	95	\$23,750	Rubber goods.	1,729	\$1,383,200
Oysters and clams.	3,574	84,922	Tobacco.	2,514	854,200
Poultry.	25	20,000	Turpentine.	865	62,062
Leather goods.	16	8,000	Pitch.	1,246	46,720
Hides.	280	252,000	Rosin.	10,508	473,913
Dressed meats.	21,350	1,290,000	Crude rubber.	324	162,000
Grease (animal).	193	38,800	Pine tar.	540	25,932
Lard.	10,000	400,000	Textiles:		
Skins.	55	16,500	Dry goods.	7,519	4,511,400
Tankage.	1,040	53,635	Clothing and woolens.	468	234,000
Tallow.	3,213	821,646	Cotton goods.	822	328,800
Wax.	56	2,800	Rope.	1,175	470,000
Vegetable food products, oilseeds, expressed oils, and beverages:			Wool.	16,645	16,312,100
Fruits.	10,711	1,282,300	Cotton.	6,634	3,980,400
Vegetables.	1,716	153,190	Bags and bagging.	6,111	129,426
Flour.	64,337	6,512,541	Burlap.	34	8,370
Grain.	57,823	1,971,040	Fiber.	29	37,836
Hay.	11,232	518,042	Hemp.	1,814	725,600
Straw.	20	440	Linters.	13	1,950
Sugar.	19,538	5,449,772	Wood and paper:		
Beer and ale.	1,411	56,440	Paving blocks (wood).	58	1,392
Wine.	90	43,636	Lumber and timber		
Miscellaneous oils.	679	90,624	(sawed).	102,966	4,206,490
Cocoa beans.	643	172,000	Laths.	7,012	67,989
Coffee.	6,664	2,332,400	Piles and logs.	7,426	144,522
Confectionery.	180	176,250	Ties.	12,138	11,198
Miscellaneous foods.	9,349	1,592,524	Cordwood.	26,127	78,700
Molasses.	7,462	466,941	Wood pulp.	206	2,346,148
Edible oils.	9,690	3,152,000	Barrels (wood).	746	45,624
Corn oil.	788	157,600	Cork.	204	61,200
Cottonseed oil.	1,002	185,373	Paper.	16,076	577,380
Sirup.	2,604	190,200	Rattan.	300	20,400
			Staves.	1,181	15,614

Freight traffic, 1920—Continued.

CARGOES IN TRANSIT—Continued.

Classes and Commodities.	Amount in short tons.	Value.	Classes and Commodities.	Amount in short tons.	Value.
Nonmetallic minerals:			Ores, metals and manufactures of, except machinery and vehicles—Continued.		
Asphalt.....	15, 748	\$441, 613	Aluminum (sheet, bar, etc.).....	50	\$20, 000
Brick (building).....	124, 502	1, 302, 625	Aluminum manufactures.....	75	60, 000
Brick (hollow tile).....	7, 625	158, 062	Copper ore.....	59, 246	2, 962, 300
Brick (fire).....	1, 419	26, 152	Copper (sheet, bar, etc.).....	63, 201	21, 902, 000
Marble.....	437	6, 992	Copper (ingots).....	99, 437	29, 581, 950
Building stone.....	30, 632	561, 611	Copper manufactures.....	2, 275	728, 828
Cement.....	218, 907	3, 499, 231	Iron ore.....	1, 012	114, 200
Lime.....	20, 918	588, 750	Iron ore (linders).....	19, 897	46, 170
Gravel.....	447, 067	669, 784	Iron (pig and scrap).....	52, 850	1, 842, 106
Sand.....	2, 190, 551	2, 349, 668	Iron (sheet, bar, etc.).....	1, 842	118, 025
Sand (beach).....	101	375	Cast iron manufactures.....	2, 917	690, 150
Sand (white).....	1, 289	1, 432	Steel (ingots, sheet, bars).....	11, 430	844, 971
Sand (silica).....	605	13, 069	Steel manufactures.....	5, 169	663, 285
Crushed stone.....	422, 049	770, 951	Structural steel.....	7, 261	179, 100
Riprap.....	560	800	Wire (iron or steel).....	2, 363	164, 875
Flagging.....	7, 676	100, 431	Lead (sheet, bar, ingots).....	8, 580	999, 850
Paving blocks (asphalt).....	4, 364	51, 714	Lead manufactures.....	2, 242	510, 298
Paving blocks (stone).....	58, 879	632, 322	Other metals (sheet, bar, etc.).....	932	175, 200
Salt.....	19, 046	856, 550	Other metal manufactures.....	1, 069	651, 850
Glassware.....	858	42, 630	Pipe (wrought iron).....	521	20, 500
Clay manufactures.....	485	4, 938	Pipe (cast iron).....	436	41, 208
Coal.....	7, 765, 571	62, 401, 914	Pipe (steel).....	824	123, 600
Coal dust.....	1, 217	3, 374	Hardware.....	7, 308	1, 868, 350
Coke.....	56, 262	588, 340	Barrels (steel).....	17, 182	2, 666, 438
Ashes.....	413, 160	60, 255	Machinery and vehicles:		
Cellar dirt.....	79, 500	6, 000	Machinery.....	5, 861	1, 873, 365
Clay.....	8, 001	54, 194	Automobiles.....	45, 441	68, 161, 500
Molding sand.....	9, 110	37, 505	Launches.....	7	10, 000
Lubricating oil.....	84, 946	5, 024, 711	Ship's gear.....	135	84, 836
Gasoline.....	132, 540	12, 047, 841	Chemicals:		
Kerosene.....	122, 563	8, 184, 731	Iron oxide.....	2, 469	51, 261
Naphtha.....	1, 126	75, 095	Alcohol.....	362	149, 030
Other petroleum products.....	878, 069	34, 632, 573	Chemicals.....	102, 665	7, 138, 581
Chalk and whiting.....	14, 832	422, 372	Fertilizer (chemical).....	86, 235	4, 271, 826
Sulphur.....	16, 442	361, 156	Ammunition.....	8, 572	8, 572, 000
Carbonate of lime.....	916	8, 604	Creosote oil.....	1, 090	62, 000
Grease (petroleum).....	10, 034	571, 932	Paint.....	759	161, 741
Gypsum rock.....	6, 946	66, 302	Soap and soap powder.....	534	49, 370
Limestone dust.....	14, 538	74, 522	Unclassified:		
Crude oil.....	726	50, 399	Ice.....	25, 429	91, 567
Drip oil.....	688	9, 314	Pianos.....	1, 838	675, 975
Fuel oil.....	95	2, 522	General merchandise.....	1, 064, 003	360, 665, 210
Gas oil.....	93, 125	2, 351, 007	Garbage.....	163, 613	No value.
Mortar.....	3, 375	62, 650	Lifeboats.....	23	6, 300
Iron cinder ore.....	16, 716	41, 790	Car ferry: General merchandise.....	868, 104	260, 431, 200
Plaster.....	200, 151	4, 143, 056	Total.....	16, 785, 860	988, 454, 778
Plaster boards.....	100	3, 073			
Plaster of Paris.....	130	19, 070			
Pumice stone.....	1, 874	37, 475			
Slate dust.....	22	4, 400			
Wax (petroleum).....	11, 618	623, 429			
Ores, metals and manufactures of, except machinery and vehicles:					
Slag.....	37, 938	110			
Agricultural implement.....	55	7, 075			

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	39,026	\$16,933,625	18,660	\$5,575,929	5,961	\$1,494,948	269,610	\$79,806,575	333,267	\$103,810,977
Vegetable food products, oil seeds, expressed oil, and beverages.....	1,167,266	208,456,715	115,400	17,832,116	87,991	24,435,240	1,226,304	186,586,709	2,596,961	437,313,780
Other vegetable products, except fibers and wood.....	46,753	8,695,997	3,855	1,583,462	12,295	7,049,555	47,905	11,870,929	110,748	29,199,843
Textiles.....	1,947	798,320	53,432	24,330,300	119,000	63,021,700	89,370	29,649,671	256,649	117,817,191
Wood and paper.....	38,095	3,355,260	2,442	134,454	49,214	2,141,264	292,048	6,527,919	283,819	13,176,777
Nonmetallic minerals.....	251,761	5,777,004	97,866	6,110,778	2,237,673	9,122,818	20,111,949	281,935,886	22,694,331	302,945,069
Ores, metals, and manufactures of, except machinery and vehicles.....	3,585	591,525	176,767	15,240,496	54,112	15,093,623	514,984	100,141,069	749,348	131,876,733
Machinery and vehicles.....	21,873	2,543,365	37,877	8,148,400	8,793	1,191,250	85,915	161,489,002	129,497	170,829,562
Chemicals.....	185,315	53,522,500	33,617	5,926,010	6,763	1,016,076	46,887	30,671,331	59,443	59,661,782
Unclassified.....			482,354	144,863,260	593,804	146,809,075	1,870,668	368,422,450	3,042,341	713,667,276
Totals.....	1,755,621	300,683,011	1,022,600	229,705,175	3,066,433	271,805,449	24,865,470	1,157,097,364	30,710,144	1,959,290,999
Car ferry.....									9,262,959	\$2,778,857,700
Cargoes in transit.....									16,786,860	988,454,778

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri-can.	For-eign.	Arri-vals.	De-par-tures.	Least.	Great-est.	Least.	Great-est.
Registered:								
Steamers.....	511	188	36,221	36,221	15	12,400	3	31
Ferryboats.....	32		116,524	116,524	269	2,552	6	18
Towboats.....	400		89,020	89,020	9	418	6	18
Sailing vessels.....	211	28	314	314	43	1,200	3	18
Canal boats, lighters, barges, etc.	6,257		94,405	94,405	30	4,632	3	26
Car floats.....	300		81,114	81,114	1,200	3,000	3	6
Fire department steamers.....	12		1,349	1,349	36	326	7	15
Police department—								
Steamers.....	1		200	200		400		18
Launches.....	4		2,190	2,190	7	18	3	5
Supervisors' steamers.....	4		324	324	150	208	11	12
Naval vessels.....	141		194	194	140	32,300	4	31
Army vessels.....	15		45,996	45,996	17	833		
Miscellaneous craft.....	93		3,327	3,327	11	1,400	3	10
Unregistered, canal boats, lighters, barges, etc.	835		2,520	2,520	45	2,000	3	14

¹ Displacement tonnage.

Passengers carried by steamers and ferryboats, 36,141,379.

Many yachts (steam, gas, and sail) not included in the above classification use this waterway, particularly during the summer season.

Of the foregoing classification the following passed through Hell Gate:

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri-can.	For-eign.	Arri-vals.	De-par-tures.	Least.	Great-est.	Least.	Great-est.
Registered:								
Steamers.....	96	1	6,862	6,862	40	5,980	6	20
Ferryboats.....	4		11,139	11,139	586	747	16	18
Towboats.....	250		20,090	20,090	9	418	6	18
Sailing vessels.....	96	17	200	200	24	1,200	4	16
Canal boats, lighters, barges, etc.	1,290		19,368	19,368	45	4,632	3	19
Car floats.....	124		20,298	20,298	1,200	3,000	3	6
Fire department steamers.....	4		103	103	36	256	7	13
Miscellaneous craft.....	3		76	76	50	369	8	10
Unregistered, canal boats, lighters, barges, etc.	172		517	517	400	750	6	10

Passengers carried by steamers and ferryboats, 2,196,187.

WALLABOUT CHANNEL, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1897.....	340,300	\$16,008,000	1914.....	990,618	\$13,021,165
1908.....	937,384	4,444,600	1915.....	1,245,689	15,660,163
1909.....	1,094,329	3,545,675	1916.....	1,628,147	26,983,441
1910.....	1,085,580	3,726,300	1917.....	1,927,914	26,471,459
1911.....	1,136,444	9,385,788	1918.....	1,707,079	13,748,522
1912.....	1,024,821	10,240,289	1919.....	2,625,186	105,935,827
1913.....	1,048,339	9,209,538	1920 ¹	1,694,152	30,291,785

¹ Exclusive of 517,432 tons car-ferry traffic; value, \$155,229,600.

Passengers carried, none.

[Navigation on season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals.			\$122,783		\$273,804		
Gravel.....	51,783			\$83,091		29.3	
Sand.....	60,092			54,363		35.0	
Paving blocks (stone).....		10,908		136,350		430.0	0.4
Total.....	111,875	10,908	122,783		273,804		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals:							
Ashes.....	461		461	69	69	32.0	
Unclassified: Garbage.....	140,720		140,720	No value.		32.0	
Total.....	141,181		141,181		69		
RECEIPTS, INTRAPORT.							
Animals and animal products, except wool and hair.			76,567		7,005,864		
Oysters and clams.....	392			36,540		22.0	
Cattle.....		26,157		1,546,224		4.3	
Lard.....		10,000		400,000		4.0	
Milk.....		50		4,000		4.0	
Eggs.....		13		2,600		4.0	
Skins.....		55		16,500		4.0	
Tallow.....		18,550		3,710,000		1.0	
Dressed meats.....		21,350		1,290,000		4.0	
Vegetable food products, oil seeds, expressed oils and beverages.			20,133		2,102,874		
Fruits.....		875		175,000		4.0	
Vegetables.....		1,175		117,500		4.0	
Flour.....		7,505		759,958		6.6	
Grain.....		1,361		47,657		6.0	
Hay.....		2,645		93,925		3.5	
Straw.....		20		440		6.8	
Sugar.....		2,688		650,000		5.7	
Beer and ale.....		486		19,440		4.0	
Confectionery.....		9		10,250		6.8	
Corn sirup.....		351		21,000		13.1	
Corn oil.....		788		2,364		13.1	
Sirup.....		1,079		107,800		4.0	
Vinegar.....		17		51,000		4.0	
Prunes.....		360		7,000		4.0	
Sauerkraut.....		40		3,200		4.0	
Miscellaneous foods.....		734		36,240		4.0	
Other vegetable products, except fibers and wood.			1,177		394,480		
Tobacco.....		769		307,600		4.0	
Pitch.....		90		36,000		4.0	
Starch.....		318		50,880		4.0	
Textiles.			1,821		784,200		
Dry goods.....		182		109,200		4.0	
Clothing and woolen.....		26		31,200		4.0	
Cotton goods.....		14		4,200		4.0	
Hemp.....		1,569		639,600		4.0	
Wood and paper.			8,995		251,672		
Lumber.....	3,951			156,958		3.4	
Piles or logs.....	1,386			30,492		6.0	
Paper.....		3,583		49,570		5.4	
Pulp.....		27		13,500		4.0	
Paving blocks (wood).....		48		1,152		4.0	
Nonmetallic minerals.			950,121		8,730,102		
Asphalt.....		119		2,618		4.0	
Building brick.....	507			3,832		17.9	
Brick (hollow tile).....		252		4,032		30.0	5.5
Brick (fire).....		185		4,995		4.0	
Cement.....		4,247		72,561		4.0	
Sand.....	840			3,732		4.0	
Crushed stone.....	50			70		4.0	
Ritrap.....	616			1,078		1.9	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Nonmetallic minerals—Con.							
Salt.....		3,566		\$185,432		Miles. 4.0	Cents.
Coal.....	799,650			5,239,716		12.8	
Ashes.....	2,399			1,800		1.0	
Clay.....	3,210			7,370		30.0	
Molding sand.....	1,200			6,000		27.9	
Lubricating oil.....		36		3,240		4.0	
Chalk and whiting.....		86		2,666		4.0	
Sulphur.....		12,878		255,280		4.3	
Gas oil.....		61,907		1,619,200		9.8	
Slate dust.....	22			4,400		4.0	
Other petroleum prod- ucts.....	58,651			1,312,170		9.8	
Ores, metals and manufac- tures of, except machin- ery and vehicles.....			29,589	\$2,284,077			
Copper (sheet, bar, etc.).....		174		58,800		4.0	
Copper (ingot).....		25		7,500		2.8	3.6
Iron (pig and scrap).....	199			6,587		4.0	
Iron (sheet, bar, etc.).....		762		61,085		4.0	
Iron oxide.....		1,838		16,000		13.6	
Cast-iron manufactures.....		118		35,400		4.0	
Steel (sheet, bar, ingot, etc.).....		8,503		680,240		5.0	
Steel manufactures.....		4,003		200,150		6.0	
Structural steel.....		6,900		143,000		5.0	
Wire (iron or steel).....		347		5,925		4.0	
Lead (sheet, bar, in- gots, etc.).....		5,046		399,300		12.3	
Other metals (sheet, bar, etc.).....		231		92,400		4.0	
Other metal manufac- tures.....		869		444,500		4.0	
Pipe (wrought iron).....		100		5,000		4.0	
Pipe (cast iron).....		56		2,800		4.0	
Hardware.....		221		66,300		4.0	
Nails.....		197		59,100		4.0	
Machinery and vehicles.....			1,279		406,100		
Agricultural implements.....		34		3,400		4.0	
Engines and machinery.....		1,245		402,700		5.7	
Chemicals.....			1,782		200,396		
Chemicals.....		1,255		107,396		4.0	
Paints.....		527		93,000		4.0	
Total.....	873,073	218,391	1,091,464		22,189,855		
SHIPMENTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair.....							
			2,022		623,947		
Fish.....		11		1,760		4.0	
Hides.....		71		21,300		4.0	
Meat products.....		1,887		584,987		5.0	
Glue stock.....		53		15,900		4.0	
Vegetable food products, oil seeds, expressed oils, and beverages.....							
			3,746		1,087,784		
Grain.....		8		384		4.0	
Sugar.....		1,550		310,000		4.0	
Cocoa beans.....		603		180,600		4.0	
Coffee.....		814		289,800		4.0	
Confectionery.....		171		171,000		6.8	
Rice.....		600		156,000		3.2	
Other vegetable products, except fibers and wood.....							
			1,166		476,800		
Tobacco.....		783		293,200		4.0	
Pitch.....		59		21,600		4.0	
Rubber.....		324		162,000		4.0	
Textiles.....							
			7,156		3,815,600		
Dry goods.....		6,778		3,680,700		4.0	
Rope.....		163		48,900		4.0	
Hemp.....		215		86,000		4.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTRAPORT— continued.						<i>Miles.</i>	<i>Cents.</i>
Wood and paper.			642		\$154,900		
Lumber and timber (sawed).....	145			\$5,800		4.0	
Cork.....		204		61,200		4.0	
Paper.....		283		87,900		4.0	
Nonmetallic minerals.			205,143		169,400		
Marble and stone.....		1,286		51,811		1.0	
Cement.....		45		787		4.0	
Salt.....		207		10,784		4.0	
Asbes.....	202,133			30,634		8.5	
Lubricating oil.....		46		4,600		4.0	
Sulphur.....		1,416		70,800		4.6	
Ores, metals, and manufac- tures of, except engines and machinery.....			1,192		219,880		
Copper (sheet, bar, etc.).....		144		57,600		4.0	
Iron (pig and scrap).....	360			8,000		4.0	
Iron, sheet, bar, etc.).....		356		30,260		4.0	
Other metals (sheet, bar, etc.).....		46		14,920		9.8	
Lead manufactures.....		63		18,800		4.0	
Hardware.....		223		89,200		4.0	
Machinery and vehicles.....			376		179,300		
Engines and machinery.....		376		179,300		8.2	
Chemicals.....			1,025		236,068		
Chemicals.....		691		151,640		4.0	
Paint.....		184		54,428		4.0	
Polish.....		150		30,000		4.0	
Unclassified, cellar dirt.....	39,750		39,750	8,000	3,000	10.1	
Total.....	242,388	19,830	262,218		6,966,679		
RECEIPTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages: Sugar.....		2,183	2,183	436,600	436,600	19.7	
Wood and paper: Lumber and timber (sawed).....	1,068		1,068	45,023	45,023	178.0	
Nonmetallic minerals.....			57,975		348,635		
Cement.....		900		22,500		120.0	
Building brick.....	2,767			28,800		92.7	
Crushed stone.....	49,840			68,300		43.7	
Curbing.....		105		1,159		103.0	
Salt.....		4,363		226,876		306.0	
Unclassified, ice.....		15,280	15,280	61,120	61,120	139.0	
Total.....	53,675	22,831	76,506		891,378		
Total receipts and shipments.....	1,422,192	271,960	1,694,152		30,291,785		

Freight traffic, 1920--Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....			78,589	\$7,629,811	78,589	\$7,629,811
Vegetable food products, oil seed, expressed oils, and beverages.....			26,062	3,637,258	26,062	3,637,258
Other vegetable products, except fiber and wood.....			2,343	871,280	2,343	871,280
Textiles.....			8,977	4,599,800	8,977	4,599,800
Wood and paper.....			10,705	451,595	10,705	451,595
Nonmetallic minerals.....	123,244	\$273,873	1,213,239	9,248,227	1,336,483	9,522,100
Ores, metals, and manufactures of, except machinery and vehicles.....			30,781	2,503,957	30,781	2,503,957
Machinery and vehicles.....			1,655	585,400	1,655	585,400
Chemicals.....			2,807	436,464	2,807	436,464
Unclassified.....	140,720		55,030	64,120	195,750	64,120
Total.....	263,964	273,873	1,430,188	39,017,912	1,694,152	30,291,785
					Short tons.	Value.
Car ferry.....					517,432	\$155,229,000

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	2	9	9	75	200	10	14
Towboats.....	147	3,215	3,215	30	186	6	14
Sailing vessels.....	1	58	58		11	5	7
Canal boats, lighters, barges, etc.....	531	4,106	4,106	100	1,475	3	17
Car floats.....	39	3,162	3,162	1,200	1,600	4	6
Unregistered canal boats, lighters, barges, etc.....	230	796	796	90	1,000	3	14

NEWTOWN CREEK, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1896.....	2,740,482	(1)	1911.....	5,435,016	\$191,747,615
1897.....	3,228,544	\$51,446,931	1912.....	4,921,843	225,416,029
1902.....	3,000,000	(1)	1913.....	5,141,516	226,962,025
1903.....	2,675,025	90,535,640	1914.....	4,445,556	147,739,825
1904.....	3,771,726	108,313,377	1915.....	5,756,102	147,086,860
1905.....	3,428,404	130,812,974	1916.....	5,915,150	201,581,200
1906.....	2,803,380	214,714,751	1917.....	5,215,620	294,701,732
1907.....	3,106,374	175,229,346	1918.....	4,369,136	322,960,545
1908.....	4,181,528	229,994,000	1919.....	4,733,235	211,599,458
1909.....	5,113,628	253,003,661	1920.....	3,532,246	214,717,006
1910.....	3,861,852	139,378,623			

1 No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages: Molasses.....	1,877	1,877	\$93,850	\$93,850
Wood and paper:				
Lumber and timber (sawed).....	4,587	4,819	142,641	152,749
Laths.....	73		6,615	
Piles and logs.....	159		3,493	
Total.....		6,696		246,599

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and paper.....			41,248		\$1,410,214	Miles.	Cents.
Lumber and timber (sawed).....	32,521			\$1,269,364		396.0	
Laths.....		207		18,710		427.0	
Piles and logs.....		4,720		95,000		427.0	
Cordwood.....		3,800		27,140		345.0	
Nonmetallic minerals.....			211,977		578,686		
Building stone.....		5,800		81,500		427.0	0.5
Paving blocks (stone).....		3,494		39,046		427.0	.4
Lime.....		6,088		196,000		427.0	.5
Gravel.....	83,497			152,181		37.7	
Sand.....	112,563			98,493		32.0	
Clay.....	191			1,146		34.4	5.2
Chalk and whiting.....	344			10,320		34.4	
Ores, metals, and manufac- tures of, except machin- ery and vehicles.....			911		57,800		
Copper ore.....	862			43,100		180.0	
Copper (sheet, bar, etc.).....		49		14,700		180.0	
Total.....	229,978	24,158	254,136		2,046,700		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Ce- ment.....		25	25	375	375	180.0	
Ores, metals, and manufac- tures of, except machin- ery and vehicles: Slag.....	37,500		37,500	9,737	9,737	30.0	
Total.....	37,500	25	37,525		10,112		
RECEIPTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair.....			24,849		269,655		
Tankage.....		373		18,555		26.0	
Hides.....		200		140,000		6.7	
Manure.....	23,860			71,580		2.0	
Soap stock.....		416		39,520		7.0	14.3
Vegetable food products, oil seeds, expressed oils, and beverages.....			16,322		1,300,941		
Flour.....		1,206		120,660		6.7	
Grain.....		3,400		191,000		7.4	
Hay.....		656		27,287		7.0	
Sugar.....		996		196,500		7.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Vegetable food products, oil seeds, expressed oils, and beverages—Contd.						Miles.	Cents.
Cottonseed oil.....		1,002		\$185,373		7.0	
Glucose.....		19		1,080		13.0	
Miscellaneous food products.....		2,538		253,800		7.0	
Molasses.....		5,585		279,241		7.4	13.5
Sirup.....		920		46,000		7.0	11.4
Other vegetable products, except fibers and wood.....			6,871		\$1,222,006		
Turpentine.....		953		276,200		4.5	46.6
Pitch.....		321		7,420		7.0	18.6
Rosin.....		5,054		911,833		7.0	14.3
Rosin oil.....		3		621		7.0	
Tar.....		540		25,932		7.0	
Textiles.....			11,352		2,380,106		
Cotton (raw).....		73		30,000		7.0	
Bags and bagging.....		397		36,746		4.5	17.7
Fibers.....		10,869		2,311,410		7.4	
Linters.....		13		1,950		7.0	11.4
Wood and paper.....			61,273		2,838,358		
Lumber and timber (sawed).....	48,234			1,946,126		7.0	
Shingles.....		195		18,000		7.0	
Piling.....		143		5,000		7.0	
Ties.....		6,677		100,000		7.0	
Wood pulp.....		77		3,058		7.0	15.7
Empty barrels.....		3,042		381,818		7.8	26.4
Cork.....		173		13,840		7.4	
Precious woods.....	1,840			124,516		2.0	
Lath.....		67		15,000		2.0	
Rattan.....		825		231,000		6.7	
Nonmetallic minerals.....			2,190,364		40,604,767		
Asphalt.....		13,617		392,916		13.6	11.0
Brick (hollow tile).....		706		13,679		32.0	5.6
Brick (fire).....		1,037		19,399		33.7	
Marble.....		379		6,064		6.0	
Building stone.....		852		17,337		8.8	79.5
Cement.....		63,196		951,532		6.8	
Lime.....		3,994		83,755		6.8	
Clay.....	663			11,000		17.3	
Sand.....	81,369			82,500		16.8	
Sand (white).....	1,289			1,432		20.9	
Sand (silica).....	2,018			13,068		27.0	
Rip rap.....	560			800		26.0	
Paving block (asphalt).....		1,680		19,500		16.2	
Old paving block (stone).....		200		600		2.0	
Salt.....		1,975		27,500		7.4	
Clay manufactures.....		9		705		32.0	
Oil (lubricating).....	8,920	22,463		2,099,462		11.0	
Gasoline.....	6,980	46,814		5,115,752		10.5	
Kerosene.....		59,287		3,757,780		10.5	
Other petroleum products.....	55,164			4,389,328		14.6	
Chalk and whiting.....	4,851			43,568		6.7	
Sulphur.....	2,678			106,154		7.4	33.8
Crude oil.....		727		42,637		11.0	
Fuel oil.....	366,859			11,917,522		8.9	
Gas oil.....	6,750			163,000		11.0	
Limestone dust.....	3,177			18,000		6.7	
Coal.....	1,300,505			9,786,305		15.6	3.0
Coke.....	44,615			438,932		22.7	
Ashes.....	53,404			8,148		2.8	
Mortar.....		2,200		41,500		7.0	
Naphtha.....		1,131		75,790		2.0	
Plaster.....		23,922		490,027		10.2	
Grease (lubricating).....		8		1,609		11.0	
Wax (petroleum).....		6,365		467,466		13.6	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Ores, metals, and manufac- tures of, except machinery and vehicles.....			148, 315		\$32, 708, 332	Miles.	Cents.
Copper ore.....	41, 922			\$5, 184, 400		7.0	
Copper (sheet, bar, wire).....		20, 992		8, 246, 200		7.0	71.4
Copper (ingots).....		61, 460		18, 438, 000		7.0	8.6
Copper manufactures.....		439		140, 435		11.0	1.8
Iron ore.....		960		83, 000		6.7	
Iron (pig and scrap).....		1, 440		112, 300		6.7	
Steel (ingots, sheets, bars).....		497		49, 575		6.7	
Cinder ore.....	16, 716			41, 790		6.7	
Steel manufactures.....		309		86, 035		2.0	
Structural steel.....		21		2, 500		7.0	
Lead (sheet, bar, etc.).....		2, 686		273, 600		14.1	
Other metal manufac- tures.....		3		390		7.0	
Pipe (cast iron).....		442		50, 000		7.0	
Slag.....	428			107		7.0	
Machinery and vehicles.....			421		105, 275		
Machinery.....		405		81, 275		7.0	
Automobiles.....		16		24, 000		7.0	
Chemicals.....			82, 619		4, 431, 377		
Alcohol and products.....		236		105, 600		7.0	
Chemicals.....		47, 359		2, 712, 761		8.3	
Coal tar.....	746			14, 622		13.0	
Chemical fertilizer.....		32, 966		1, 553, 932		13.2	
Cresote oil.....		1, 312		44, 462		13.0	
Unclassified: General mer- chandise.....		16, 740	16, 740	4, 510, 582	4, 510, 582	10.3	
Total.....	2, 073, 548	485, 678	2, 559, 126		90, 371, 299		
SHIPMENTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair.....			4, 225		811, 948		
Grease (inedible).....		193		19, 300		9.7	
Tankage.....		667		35, 080		19.0	
Tallow.....		2, 981		752, 346		10.7	
Dead animals.....		384		5, 222		26.0	
Vegetable food products, oil seeds, expressed oils and beverages.....			2, 513		155, 735		
Miscellaneous food prod- ucts.....		545		57, 326		7.0	11.4
Molasses.....		1, 860		93, 040		2.0	
Sirup.....		108		5, 369		7.0	14.3
Other vegetable products, except fibers and wood.....			1, 573		330, 000		
Turpentine.....		73		30, 000		7.0	20.0
Rosin.....		1, 500		300, 000		2.0	70.0
Textile.....			8, 366		1, 096, 622		
Rope.....		664		265, 600		6.7	
Bags and bagging.....		6, 023		116, 900		7.0	11.4
Fibers.....		1, 679		714, 122		2.0	
Wood and paper.....			12, 829		842, 656		
Lumber and timber (sawed).....	2, 767			94, 319		3.9	
Ties.....		6, 751		106, 000		3.8	
Piles and logs.....		143		5, 000		2.0	
Empty barrels (wood).....		3, 168		637, 337		2.0	
Nonmetallic minerals.....			67, 739		3, 651, 422		
Lime.....		20, 000		608, 603		6.4	
Coke.....	2, 271			12, 400		2.0	
Clay.....		29		174		6.7	
Lubricating oil.....		32, 983		2, 319, 021		8.0	
Gasoline.....		409		57, 728		3.7	
Kerosene.....		303		19, 914		5.5	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT—continued.							
Nonmetallic minerals—Con.						Miles.	Cents.
Other petroleum products		402		\$46,082		21.3	
Fuel oil	1,679			96,892		6.5	
Grease (lubricating)		118		7,812		9.7	
Wax (petroleum)		9,545		482,801		7.3	
Ores, metals and manufactures of, except machinery and vehicles			101,311		\$30,194,822		
Agricultural implements		1		128		13.0	
Copper (sheets, bars, etc.)		61,359		18,353,300		8.4	11.9
Copper (ingots)		38,860		11,603,500		5.0	20.0
Steel manufactures		217		90,000		2.0	
Wire (iron or steel)		32		3,200		2.0	40.0
Other metals (sheet, bar, etc.)		470		70,718		6.6	
Metal life boats		43		6,300		7.0	
Ship gear		65		56,836		7.0	
Steel drums		264		10,840		7.0	
Machinery and vehicles			50,137		75,100,000		
Machinery		137		100,000		10.4	
Automobiles		50,000		75,000,000		7.0	
Chemicals			16,572		1,014,014		
Chemicals		9,834		500,800		4.5	13.3
Paints		4		1,210		6.5	
Ammunitions		1,650		229,500		7.0	
Chemical fertilizer		5,084		282,504		17.6	6.0
Unclassified: General merchandise		14,028	14,028	2,080,184		5.2	
Total	6,717	272,576	279,293		115,277,403		
RECEIPTS, INTERNAL.							
Nonmetallic minerals			362,268		2,533,692		
Brick (building)	97,004			1,029,161		42.0	6.0
Building stone		206		3,914		95.0	
Cement		80,230		1,180,880		121.0	1.2
Gravel	2,698			4,490		32.0	
Crushed stone	172,134			236,400		46.0	0.9
Flagging		198		2,800		200.0	
Paving block (asphalt)	1,118			15,036		25.0	
Coke	717			11,145		81.0	3.7
Molding sand	2,348			10,521		134.0	1.3
Chalk and Whiting		65		1,820		65.0	
Limestone dust	5,550			37,515		32.0	
Ores, metals, and manufactures, except machinery and vehicles			1,191		115,577		
Copper (ingots)		649		97,350		25.0	5.6
Iron (pig and scrap)	542			18,227		449.0	0.5
Machinery and vehicles			55		1,000		
Machinery		55	55	1,000	1,000	22.0	
Chemicals			4,703		142,370		
Cresote oil		600		32,160		13.0	
Chemicals		4,103		110,210		287.0	
Unclassified			137		4,338		
Ice		107		321		119.0	
General merchandise		30		4,017		287.0	
Total	282,111	86,243	368,354		2,796,977		
SHIPMENTS, INTERNAL.							
Textile: Bags and bagging		29	29	17,346	17,346	287.0	
Nonmetallic minerals			1,673		49,671		
Lubricating oil		423		27,601		150.0	
Kerosene		19		1,362		150.0	
Grease (lubricating)		118		7,812		150.0	
Plaster boards		12		364		32.0	
Plaster		490		6,734		32.0	
Wax (petroleum)		59		4,068		150.0	
Coal dust	552			1,730		65.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTERNAL—CON.							
Ores, metals, and manufac- tures of, except machinery and vehicles.....			10, 778		\$3, 637, 540	Miles.	Cents.
Copper (Ingots).....		4, 209		\$1, 262, 700		25. 0	4. 0
Copper (sheets, bars, etc.).....		6, 569		2, 364, 840		25. 0	4. 0
Chemicals: Paints.....		17	17	5, 167	5, 167	150. 0	
Total.....	552	11, 945	12, 497		3, 699, 724		
LOCAL.							
Wood and paper: Empty barrels.....		24	24	12, 825	12, 825		
Nonmetallic minerals.....			14, 595		255, 266		
Coke.....	965			12, 545			
Lubricating oil.....	3, 613			52, 986			
Fuel oil.....	10, 017			189, 735			
Total.....	14, 595	24	14, 619		268, 091		
Total receipts and shipments.....	2, 645, 001	880, 549	3, 525, 550		214, 470, 406		

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool hair.....					59, 074	\$1, 081, 603	29, 074	\$1, 081, 603
Vegetable food products, oil seeds, expressed oils, and beverages.....	1, 877	\$93, 850			18, 835	1, 456, 676	20, 712	1, 550, 526
Other vegetable products, except fibers and wood.....					8, 444	1, 552, 006	8, 444	1, 552, 006
Textiles.....					19, 747	3, 494, 074	19, 747	3, 494, 074
Wood and paper.....	4, 819	152, 749	41, 248	\$1, 410, 214	74, 126	3, 683, 839	120, 193	5, 256, 802
Nonmetallic minerals.....			212, 002	579, 061	2, 636, 639	47, 094, 818	2, 848, 641	47, 673, 879
Ores, metals and manufactures of, except machinery and vehicles.....			33, 411	67, 537	261, 595	66, 646, 271	300, 006	66, 713, 806
Machinery and vehicles.....					50, 613	75, 206, 275	50, 613	75, 206, 275
Chemicals.....					103, 911	5, 592, 928	103, 911	5, 592, 928
Unclassified.....					30, 905	6, 596, 104	30, 905	6, 596, 104
Total	6, 696	246, 599	291, 661	2, 056, 812	3, 233, 889	212, 413, 694	3, 532, 246	214, 717, 005

Vessel classification.

Class.	Num- ber of vessels (Ameri- can).	Total.		Tonnage of vessels.		Draft (feet).	
		Arri- vals.	Depart- ures.	Least.	Great- est.	Least.	Great- est.
Registered:							
Steamers.....	18	188	188	87	2,054	5	17
Towboats.....				35	500	4	18
Sailing vessels.....	34	81	81	43	1,000	3	20
Canal boats, lighters, barges, etc.....	1,844	9,652	9,652	97	3,044	3	25
Miscellaneous craft.....	6	75	75	24	369	4	10
Unregistered canal boats, lighters, barges, etc.....	663	1,648	1,648	30	809	3	13

HARLEM RIVER, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1887.....	2,324,155	(¹)	(¹)	1909.....	12,822,385	\$369,099,686	266,907
1890.....	3,390,466	(¹)	(¹)	1911.....	11,751,732	570,494,993	522,102
1893.....	5,910,376	\$190,149,712	(¹)	1912.....	15,376,742	972,503,048	319,928
1894.....	5,910,376	190,149,712	(¹)	1913.....	18,313,336	704,984,490	126,460
1895.....	7,533,694	203,707,376	(¹)	1914.....	11,577,922	582,383,737	214,488
1903.....	6,910,386	282,186,100	(¹)	1915.....	15,096,169	1,538,506,583	454,199
1904.....	9,130,763	231,384,004	(¹)	1916.....	13,789,723	1,286,970,462	614,499
1905.....	9,998,021	270,210,309	(¹)	1917.....	15,822,342	1,788,331,171	2,646,908
1906.....	11,385,649	104,359,757	(¹)	1918.....	11,298,747	1,447,737,195	385,070
1907.....	12,385,507	313,380,743	(¹)	1919.....	5,253,514	475,290,714	668,663
1908.....	43,768,658	410,100,000	187,315	1920 ²	3,888,243	72,985,664	1,020,903

¹ No statistics available.² Exclusive of: Car ferry traffic, short tons, 1,601,280; value, \$480,384,000; general ferry traffic, short tons, 4,311; value, \$496,670.

[Navigation season, continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Wood and paper: Lumber and timber.....	233	233	\$9,321	\$9,321
Nonmetallic minerals: Salt.....	290	290	15,080	15,080
Total.....		523		24,410

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and paper: Cordwood.....		2,923	2,923	\$48,460	\$48,460	Miles. 324.0	Cents.
Nonmetallic minerals.....			239,196		274,641		
Building stone.....		116		1,158		297.0	0.7
Lime.....		464		16,544		240.0	
Gravel.....	33,284			51,003		31.8	
Sand.....	203,761			188,666		31.8	
Curbing.....		1,570		17,270		468.0	
Ores, metals, and manufac- tures of, except machinery and vehicles: Wire (iron and steel).....		1,500	1,500	20,000	20,000	180.0	0.8
Total.....	237,045	6,573	243,618		343,101		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals:							
Ashes.....	13,889		13,889	2,064	2,084	40.0	
Unclassified: Garbage.....	22,739		22,739			40.0	
Total.....	36,628		36,628		2,084		
RECEIPTS, INTRAPORT.							
Animals and animal prod- ucts except wool and hair:							
Fish.....		18	18	2,880	2,880	11.3	
Vegetable food products, oil seeds, expressed oils and beverages.....			70,685		6,885,672		
Fruits.....		86		10,320		11.3	
Vegetables.....		316		21,172		11.3	
Flour.....	55,582			5,675,926		12.9	
Grain.....	531			24,694		9.1	
Hay.....	8,035			333,452		11.3	
Sugar.....	205			41,000		9.1	
Beer and ale.....	925			37,000		12.0	
Wine.....	90			45,000		11.3	
Miscellaneous foods.....	3,393			401,200		9.1	
Syrup.....	523			26,150		11.3	
Linseed oil.....	683			227,625		9.1	
Miscellaneous oils.....	316			42,133		6.9	
Other vegetable products except fibers and wool.....			1,971		349,020		
Rubber goods.....		25		20,000		11.3	
Tobacco.....		795		238,500		11.3	
Pitch.....		776		15,520		8.1	37.0
Rosin.....		375		75,000		12.0	
Textiles.....			2,738		1,588,240		
Dry goods.....		159		94,400		11.3	
Clothing and woollens.....		235		117,500		11.3	
Cotton goods.....		208		83,200		11.3	
Wool (raw).....		65		63,700		11.3	
Cotton (raw).....	2,043			1,225,800		12.0	
Fiber.....		28		3,610		6.9	15.9
Wood and paper.....			8,682		337,055		
Lumber and timber (sawed).....		7,449		296,940		11.3	
Piles and logs.....		605		13,310		12.0	
Cordwood.....		155		1,100		11.3	
Paper.....		463		25,465			
Wood paving blocks.....		10		240		11.3	
Nonmetallic minerals.....			2,584,421		29,712,594		
Asphalt.....	6,207			168,064		24.0	4.2
Brick (building).....	2,273			22,730		11.3	
Brick (hollow tile).....		6,255		132,426		26.6	6.2
Brick (fire).....		138		3,234		36.7	
Marble.....		222		9,788		9.1	
Building stone.....		10,512		193,518		12.0	
Cement.....		29,769		530,816		11.3	
Lime.....		10,253		312,056		11.3	
Sand.....	36,235			37,033		11.3	
Salt.....	4,667			242,544		12.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Nonmetallic minerals—Con.							
Glassware.....		97		\$33,950		Miles. 11.3	Cents.
Clay manufactures.....		475		4,233		30.5	6.0
Coal.....	2,019,247			16,226,091		18.2	2.9
Coke.....	65,484			495,303		18.0	3.1
Clay.....	1,515			9,090		11.3	
Molding sand.....	8,101			28,818		11.0	
Lubricating oil.....		1,340		256,487		6.9	
Gasoline.....	233,142			7,176,739		11.8	
Kerosene.....	6,503			570,024		11.1	
Other petroleum prod- ucts.....	54,219			1,490,350		13.3	
Chalk and whiting.....		6,971		53,813		13.6	
Fuel oil.....		39		1,335		6.9	
Gas oil.....	61,678			1,480,264		17.8	
Grease.....		15		1,441		6.9	
Mortar.....		1,175		21,150		15.3	
Naphtha.....		1		137		6.9	
Plaster.....	11,210			209,257		11.4	
Ashes.....	6,665			1,000		6.9	
Slag.....	10			3		12.0	
Ores, metals and manufac- tures of, except machinery and vehicles.....			18,145		\$2,918,314		
Aluminum manufac- tures.....		75		60,000		11.3	
Copper (ingot).....		140		42,000		11.3	
Copper manufactures.....		2,194		702,028		15.3	
Iron (pig and scrap).....	6,921			228,393		12.0	
Iron (sheet and bar).....		97		8,245		12.0	
Cast-iron manufactures.....		495		123,750		11.3	
Steel (sheet, bar, etc.).....		2,090		167,200		10.1	
Steel manufactures.....		581		91,655		11.3	
Steel structural.....		181		51,100		12.0	
Wire (iron and steel).....		31		465		11.3	
Lead (sheet, bar, etc.).....		398		79,600		6.9	
Lead manufactures.....		2,147		502,398		6.9	
Other metals (sheet, bars, etc.).....		135		23,625		11.3	
Other metal manufactur- es.....		874		646,750		11.2	
Pipe (wrought iron).....		421		19,400		11.3	
Pipe (cast iron).....		59		5,900		11.3	
Pipe (steel).....		824		123,600		12.0	
Hardware.....		150		37,500		11.3	
Barrels (steel).....		32		4,705		11.1	
Machinery and vehicles.....			1,932		1,180,700		
Engines and machinery.....	1,922			1,188,200		9.4	
Ship's gear.....	10			1,500		6.9	
Chemicals.....			1,763		151,428		
Alcohol and products.....		25		22,050		11.3	
Chemicals.....		135		15,525		11.3	
Paint.....		65		18,980		11.3	
Soap.....		276		26,220		6.9	
Fertilizer.....		1,262		68,653		24.2	
Unclassified.....			53,972		15,247,729		
General merchandise.....		53,423		15,041,854		10.5	
Pianos.....		549		205,875		11.3	
Total.....	2,524,080	220,247	2,744,327		58,382,632		
SHIPMENTS, INTRAPORT.							
Animals and animal prod- ucts except wool and hair.....			86		26,000		
Fish.....		66		12,400		12.0	6.6
Leather goods.....		11		5,500		12.0	6.6
Hides.....		9		8,100		12.0	
Vegetable food products, oil seeds, expressed oil, and beverages.....			1,399		229,900		
Sugar.....		425		85,000		9.4	
Miscellaneous food.....		950		142,500		12.0	
Syrup.....		24		2,400		12.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTRAPORT— continued.							
Other vegetable products except fibers and wool.....			109		\$59,700	Miles.	Cents.
Rubber goods.....		54		\$43,200		11.3	
Tobacco.....		55		16,500		12.0	
Textiles.....			467		175,400		
Clothing and woolsens.....		7		3,500		11.3	
Rope.....		348		139,200		12.0	6.6
Cotton (raw).....		12		7,200		11.3	
Bags and bagging.....		66		16,830		12.0	
Burlap.....		34		8,670		12.0	
Wood and paper.....			6,560		274,794		
Lath.....		6		763		12.0	
Wood pulp.....		23		1,932		12.0	
Barrels (wood).....		452		27,714		13.3	
Paper.....		6,079		244,385		11.3	7.0
Nonmetallic minerals.....			656,066		1,238,296		
Marble.....		379		6,064		6.7	
Building stone.....		584		11,086		12.0	6.6
Lime.....		250		4,000		12.0	
Salt.....		22		1,144		12.0	
Glassware.....		721		252,350		12.0	
Cellar dirt.....	39,750			3,000		9.4	
Gasoline.....		14		440		6.9	
Kerosene.....		111		2,399		11.1	
Drip oil.....		1,055		14,902		8.1	
Naphtha.....		7		1,037		6.9	
Oil gas.....		39,042		766,236		6.9	
Oil tar.....		8,646		79,142		8.1	
Ashes.....	565,515			96,518		7.8	
Ores, metals, and manu- factures of, except machin- ery and vehicles.....			29,262		6,103,032		
Copper (sheet, bar, etc.).....		54		16,200		12.0	
Copper manufactures.....		76		22,800		12.0	
Cast-iron manufactures.....		1,842		368,400		12.0	
Steel manufactures.....		370		148,000		12.0	
Wire (iron and steel).....		923		62,210		9.4	
Lead manufactures.....		32		6,400		12.0	6.6
Other metals (sheet, bar, etc.).....		230		33,250		12.0	
Other metal manu- factures.....		42		31,500		12.0	6.6
Hardware.....		217		54,250		11.3	7.0
Barrels and drums (steel).....		25,476		5,360,022		13.3	
Machinery and vehicles.....			3,473		4,432,800		
Engines and machinery.....		664		218,300		12.0	6.6
Automobiles.....		2,809		4,214,500		11.3	
Chemicals.....			1,110		204,740		
Chemicals.....		124		14,260		12.0	6.6
Ammunition.....		922		184,400		12.0	
Soap Powder.....		64		6,080		12.0	
Unclassified.....			1,886		446,671		
Pianos.....		1,069		417,180		11.3	
General merchandise.....		797		29,491		10.1	
Total.....	605,265	95,183	700,448		13,191,335		
RECEIPTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			405		126,725		
Sugar.....		398		123,219		5.5	
Sirup.....		7		3,506		5.5	
Nonmetallic minerals.....			124,958		642,515		
Building brick.....	29,963			285,667		52.0	
Gravel.....	1,980			3,100		25.5	
Crushed stone.....	83,826			119,850		29.5	
Flagging.....		936		13,398		89.5	
Salt.....		3,956		205,712		298.0	1.0
Stone dust.....	4,417			14,788		25.5	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL—CON.							
Ores, metals and manufac- tures of, except machinery and vehicles: Other metal manufactures.....		187	187	\$140,250	\$140,250	Miles. 5.5	Cents.
Unclassified: Ice.....		37,149	37,149	132,621	132,621	78.5	.....
Total.....	120,066	42,633	162,699		1,042,111		
Total receipts and shipments.....	3,523,064	364,636	3,887,720		72,961,263		

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products except wool and hair.....					104	\$28,880	104	\$28,880
Vegetable food products, oilseeds, expressed oils, and beverages.....					72,489	7,242,297	72,489	7,242,297
Other vegetable products, except fibers and wood.....					2,080	408,720	2,080	408,720
Textiles.....					3,205	1,763,640	3,205	1,763,640
Wood and paper.....	233	\$9,321	2,923	\$48,460	15,242	611,849	18,398	669,630
Nonmetallic minerals..	290	15,080	253,084	276,725	3,365,475	31,593,407	3,618,849	31,885,212
Ores, metals and manufactures of, except machinery and vehicles.....			1,500	20,000	47,594	9,161,596	49,094	9,181,596
Machinery and vehicles.					5,405	5,622,500	5,405	5,622,500
Chemicals.....					2,873	356,168	2,873	356,168
Unclassified.....			22,739		93,007	15,827,021	115,746	15,827,021
Total.....	523	24,401	280,246	345,185	3,607,474	72,616,078	3,888,243	72,965,664

	Short tons.	Value.
Car ferry.....	1,601,280	\$490,384,000
General ferry.....	4,311	496,670

Vessels built and launched.

Kind.	Number.	Tonnage.	Value.
Yachts.....	2	15 each.....	\$40,000

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	27	19,123	19,123	33	977	5	11
Towboats.....	150	9,626	9,626	35	322	9	16
Sailing vessels.....	12	12	12	100	825	10	20
Canal boats, lighters, barges, etc.....	1,961	7,706	7,706	100.	2,550	3	18
Police department launches.....	2	1,095	1,095		7		3
Fire department steamers.....	6	160	160	36	256	7	13
Supervisors' steamers.....	2	30	30	150	208	11	12
Car floats.....	162	16,222	16,222	1,200	1,600	4	6
Ferry boats.....	2	34,112	34,112	23	39	5	7
Unregistered, canal boats, lighters, barges, etc.....	42	137	137	200	800	2	10

Passengers carried, 1,020,903.

HUDSON RIVER CHANNEL, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914....	58,644,614	\$4,559,185,809	106,253,639	1918....	45,483,803	\$6,181,330,831	96,361,818
1915....	63,458,291	6,410,144,119	69,239,418	1919....	51,399,505	5,772,290,584	102,713,391
1916....	68,377,558	7,339,340,857	84,470,659	1920....	51,065,899	9,436,741,873	82,685,739
1917....	53,945,490	4,882,879,167	111,438,512				

The increase of the unit value as compared with the previous year is due in part to the increased cost of some commodities, and also to the fact that more accurate values were obtained.

[Navigation season, continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		18,531		\$5,465,357
Fish.....	15,157		\$3,889,250	
Leather goods.....	20		10,000	
Hides.....	1,972		1,273,200	
Leather.....	8		9,120	
Skins.....	1,309		235,620	
Wax (bees).....	65		48,165	
Vegetable food products, oilseeds, expressed oils, and beverages.....		654,261		112,522,082
Fruits.....	2,004		230,514	
Vegetables.....	5,505		367,030	
Grain.....	28,941		1,498,760	
Sugar (raw).....	401,806		80,584,200	
Beer and ale.....	268		10,720	
Bananas.....	330		4,960	
Coconuts.....	370		28,400	
Coffee.....	11,802		3,945,778	
Linseed.....	172,396		18,760,170	
Linseed oil.....	3,543		1,416,000	
Miscellaneous foods.....	23,190		4,633,760	
Molasses.....	4,106		1,053,800	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Other vegetable products, except fibers and wood		1,528		\$316,748
Dyewoods	1,052		208,380	
Tobacco	129		28,700	
Turpentine	22		159,588	
Pitch	220		23,400	
Rosin	75		15,180	
Rubber (crude)	30		11,500	
Textiles		11,305		5,207,880
Dry goods	75		45,000	
Clothing and woolsens	20		10,000	
Cotton goods	1,660		664,000	
Wool (raw)	3,175		3,111,500	
Burlap	4,374		1,115,370	
Hemp	1,217		32,500	
Linoleum	286		195,360	
Rags	488		34,100	
Wood and paper		4,227		364,172
Lath	136		12,440	
Wood pulp	2,903		243,852	
Cork	546		43,680	
Paper	642		64,200	
Nonmetallic minerals		15,410		240,175
Asphalt	1,500		30,000	
Cement	66		455	
Sand	5,595		5,157	
Paving blocks (asphalt)	3,643		28,578	
Glassware	311		108,850	
Clay	3,222		19,232	
Lubricating oil	38		5,000	
Chalk and whiting	1,028		31,868	
Sulphur	47		940	
Ores, metals, and manufactures of, except machinery and vehicles		14,594		8,042,510
Steel (ingots, sheets, bars)	1,912		152,960	
Lead manufactures	1,057		422,800	
Other metals (sheets, bars)	2,660		465,500	
Hardware	5		1,250	
Tin concentrates	8,960		7,000,000	
Machinery and vehicles: Engines and machinery	236	236	47,200	47,200
Chemicals		9,957		638,698
Alcohol and products	80		63,300	
Chemicals	5,303		300,420	
Fertilizer (chemical)	4,574		214,978	
Unclassified: General merchandise	1,666,166	1,666,166	499,396,700	499,396,700
Total		2,396,215		632,241,530
EXPORTS.				
Animals and animal products, except wool and hair		19,484		7,200,180
Fish	1,154		288,500	
Leather goods	285		147,500	
Hides	206		187,200	
Leather	301		345,140	
Dressed meats	4,395		1,409,400	
Lard	10,624		3,824,640	
Corned beef	2,507		1,002,800	
Vegetable food products, oilseeds, expressed oils, and beverages		535,348		48,352,082
Fruits	1,582		198,300	
Flour	39,394		4,019,520	
Grain	379,096		18,225,525	
Sugar	3,115		934,500	
Castor oil	9		3,800	
Cocoa beans	2,219		621,220	
Coconut oil	135		44,539	
Coffee	1,980		688,000	
Confectionery	819		819,000	
Cottonseed oil	114		24,228	
Miscellaneous foods	85,471		17,094,200	
Miscellaneous oils	12,796		4,630,180	
Oil cake	3,844		732,800	
Sirup	4,242		329,360	

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Other vegetable products, except fibers and wood.....		10,726		\$3,941,070
Rubber goods.....	1,455		\$1,164,000	
Dyewoods.....	18		1,170	
Tobacco.....	9,253		2,775,900	
Textiles.....		16,432		8,225,000
Dry goods.....	5,433		3,259,800	
Clothing and woolsens.....	174		87,000	
Cotton goods.....	6,854		2,741,800	
Rope.....	1,230		492,000	
Cotton (raw).....	2,741		1,644,800	
Wood and paper.....		4,836		282,461
Lumber and timber (sawed).....	2,562		102,496	
Shingles.....	246		10,445	
Wood pulp.....	10		840	
Cork.....	291		23,280	
Paper.....	1,727		145,400	
Nonmetallic minerals.....		127,240		5,221,728
Asphalt.....	84		4,200	
Brick (fire).....	1,813		41,440	
Cement.....	53,040		1,098,882	
Glassware.....	141		49,350	
Coal.....	19,217		171,660	
Coke.....	2,601		20,808	
Clay.....	76		456	
Lubricating oil.....	24,416		1,627,709	
Gasoline.....	12,774		1,266,399	
Kerosene.....	508		150,484	
Other petroleum products.....	846		325,496	
Chalk and whiting.....	2,205		68,355	
Sulphur.....	40		800	
Grease (petroleum).....	5,027		185,999	
Gypsum rock.....	1,470		30,870	
Wax (petroleum).....	2,982		178,920	
ores, metals, manufactures, except machinery and vehicles.....		156,274		38,246,297
Aluminum manufactures.....	75		60,000	
Copper (sheet, bar, wire).....	5,046		1,513,800	
Copper (ingot).....	500		150,000	
Copper manufactures.....	100		30,000	
Iron (pig and scrap).....	250		12,500	
Iron (sheet, bar, etc.).....	19,275		1,635,375	
Cast-iron manufactures.....	846		211,500	
Steel (ingots, sheet bar).....	19,702		1,576,160	
Steel manufactures.....	66,540		26,616,000	
Structural steel.....	15,597		1,559,700	
Wire (iron or steel).....	2,967		804,057	
Lead manufactures.....	702		280,800	
Other metals (sheet, bar).....	3,095		541,625	
Pipe (wrought-iron).....	2,728		95,480	
Pipe (cast-iron).....	7,143		714,300	
Pipe (steel).....	4,830		724,500	
Hardware.....	6,878		1,717,500	
Machinery and vehicles.....		31,598		12,720,180
Agricultural implements.....	7,530		1,317,750	
Engines and machinery.....	20,583		6,174,900	
Automobiles.....	3,485		5,227,500	
Chemicals.....		13,352		3,826,007
Alcohol and products.....	2,498		2,230,800	
Chemicals.....	7,519		864,685	
Coal tar.....	132		1,452	
Fertilizer (chemical).....	10		470	
Paints.....	1,972		494,400	
Soap.....	1,221		234,200	
Unclassified.....		3,265,182		979,587,818
Pianos.....	314		1,750	
General merchandise.....	3,263,846		979,153,800	
Miscellaneous oils.....	1,022		316,268	
Total.....		4,180,472		1,107,602,793
Total imports and exports.....		6,576,687		1,739,844,323

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.			1,400		\$850,700	Miles.	Cents.
Fish.		53		\$13,250		2,258.0	
Oysters and clams.		221		17,670		194.0	2.4
Hides.		575		517,500		2,258.0	
Leather.		62		70,680		2,258.0	
Meats.		579		231,600		2,258.0	
Vegetable food products, oil seeds, expressed oils, and beverages.			142,891		17,777,328		
Fruits.		379		122,539		591.0	
Vegetables.	16,871			1,124,942		1,147.0	
Flour.		460		50,882		330.0	
Grain.		75,966		3,657,295		1,147.0	
Hay.		14		571		2,258.0	
Sugar.		2,482		496,400		2,258.0	
Beer and ale.		49		1,960		2,258.0	
Wine.		177		85,690		2,258.0	
Coffee.		804		281,400		2,258.0	
Cottonseed oil.		3,454		755,242		852.0	
Edible oils.		7,492		2,800,000		185.0	
Miscellaneous foods.		17,137		4,028,533		6,532.0	0.2
Miscellaneous oils.		6,748		2,373,534		1,147.0	
Molasses.		10,858		1,998,340		2,258.0	
Other vegetable products, except fibers and wood.			36,319		8,682,210		
Rubber goods.		2,257		2,135,600		2,258.0	
Tobacco.		1,390		2,085,000		1,147.0	
Turpentine.		7,990		563,770		852.0	
Pitch.		6,118		489,440		852.0	
Rosin.		18,694		3,408,400		852.0	
Textiles.			102,897		56,738,904		
Dry goods.		187		112,200		2,258.0	
Cotton goods.		27,991		13,995,500		852.0	
Wool (raw).		7,635		9,282,300		562.0	
Cotton (raw).		58,698		35,218,800		302.0	
Bagging.		1,109		184,094		852.0	
Fiber.		7,277		946,010		2,258.0	
Wood and paper.			76,838		3,145,251		
Lumber and timber (sawed).	70,245			2,871,631		382.0	
Lath.		37		4,325		435.0	
Piles or logs.		1,266		27,852		1,147.0	
Ties.	4,418			66,043		1,147.0	
Paper.		872		175,400		2,258.0	
Nonmetallic minerals.			846,364		1,869,206		
Asphalt.		158		7,268		2,258.0	
Building stone.		7,208		136,952		435.0	
Cement.		334		6,680		330.0	
Lime.		483		12,900		330.0	
Gravel.	122,580			168,978		39.1	1.3
Sand.	666,399			712,346		39.1	1.3
Paving blocks (stone).	8,047			79,783		435.0	
Clay.	11,345			68,070		852.0	
Other petroleum products.	28,776			645,209		2,258.0	
Plaster.		1,034		31,020		852.0	
Ores, metals, and manufactures, except machinery and vehicles.			75,373		21,557,312		
Copper (ingots).		66,595		19,978,500		2,258.0	
Iron ore.	299			5,990		2,258.0	
Iron (pig and scrap).	1,409			46,497		1,555.0	
Cast-iron manufactures.		160		40,000		63.0	
Steel manufactures.		288		171,200		63.0	
Structural steel.		93		9,300		2,258.0	
Wire (iron or steel).		60		16,260		63.0	
Other metals (sheet, bar, etc.).		169		29,575		2,258.0	
Hardware.		6,300		1,260,000		63.0	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE—CON.						<i>Miles.</i>	<i>Cents.</i>
Machinery and vehicles.			366		\$157,900		
Agricultural imple- ments		20		\$3,500		63.0	
Machinery		40		10,000		54.0	
Engines and machinery		242		48,400		2,258.0	
Automobiles		64		96,000		2,258.0	
Chemicals.			12,749		8,345,770		
Alcohol and products		8,726		7,791,000		2,258.0	
Chemicals		2,682		298,200		2,258.0	
Ammunitions		24		24,000		2,258.0	
Paints		1,068		218,610		2,258.0	
Soap		249		43,900		185.0	
Unclassified			903,546		315,792,068		
Pianos		170		63,750		63.0	
General merchandise		903,376		315,728,308		268.0	
Total	913,518	1,265,315	2,198,833		437,916,639		
SHIPMENTS, COASTWISE.							
Animals and animal prod- ucts, except wool and hair.			1,578		861,846		
Fish		756		189,000		1,147.0	
Oysters and clams		1		36		330.0	
Poultry		25		49,500		63.0	
Leather goods		513		402,710		63.0	
Hides		19		17,100		330.0	
Leather		143		163,020		2,258.0	
Manure	20			80		63.0	
Meats		101		40,400		2,258.0	
Vegetable food products, oil seeds, expressed oils, and beverages			94,397		19,260,332		
Fruits		11,263		1,351,674		63.0	
Vegetables		6,785		452,335		852.0	
Flour		882		90,000		63.0	
Grain		706		33,867		2,258.0	
Hay		43		1,784		2,258.0	
Sugar		22,027		5,978,100		63.0	
Beer and ale		52		2,080		2,258.0	
Wine		219		106,182		2,258.0	
Castor oil		47		18,000		273.0	
Coffee		4,171		1,459,850		2,258.0	
Edible oils		2,198		352,000		185.0	
Linseed oil		745		317,760		273.0	
Miscellaneous foods		43,759		8,651,800		652.0	
Miscellaneous oils		823		349,800		2,258.0	
Molasses		545		80,340		2,258.0	
Vinegar		132		14,700		2,258.0	
Other vegetable products, except fibers and wood.			3,043		4,111,267		
Rubber goods		385		331,966		2,258.0	
Tobacco		2,555		3,767,500		2,258.0	
Turpentine		25		1,811		2,258.0	
Pitch		51		4,590		2,258.0	
Resin		27		5,400		2,258.0	
Textiles			117,053		63,846,391		
Dry goods		3,947		2,368,200		63.0	
Clothing and woollens		359		866,315		63.0	
Cotton goods		5,214		2,067,544		591.0	
Rope		3,149		1,259,000		2,258.0	
Wool (raw)		15,106		14,503,880		2,258.0	
Cotton (raw)		63,692		38,215,200		213.0	
Bagging		25,372		4,233,752		852.0	
Cotton linters		214		32,100		2,258.0	
Wood and paper.			17,186		1,536,280		
Lumber and timber (sawed)		139		5,580		2,258.0	
Paper		17,047		1,530,700		2,258.0	
Nonmetallic minerals.			635,900		2,551,079		
Asphalt		116		5,336		330.0	
Brick (hollow tile)		59		400		2,258.0	
Brick (fire)		420		9,600		70.0	
Building stone		3,457		65,683		2,258.0	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, COASTWISE—CON.							
Nonmetallic minerals—con.							
Cement.....		10,746		\$202,572		Miles. 587.4	Cents.
Lime.....		12		500		68.0	
Glassware.....		295		108,444		2,258.0	
Clay manufactures.....		17		9,695		330.0	
Coal.....	236,836			1,903,149		112.7	
Ashes.....	112,287			No value.		25.0	
Cellar dirt.....	265,000			No value.		25.0	
Clay.....	1,610			9,660		40.0	
Lubricating oil.....		566		37,902		61.3	
Gasoline.....		625		62,538		60.4	
Kerosene.....		482		32,855		60.4	
Other petroleum prod- ucts.....		15		4,000		63.0	
Chalk and whiting.....		2,515		77,965		52.0	1.1
Sulphur.....		466		9,320		185.0	1.1
Plaster.....		382		11,460		2,258.0	
Ores, metals, and manufac- tures of, except machinery and vehicles.....			35,223		\$15,099,974		
Aluminum.....		50		35,000		63.0	
Aluminum manufac- tures.....		8		5,507		330.0	
Copper (sheet, bar, wire, etc.).....		826		594,400		197.0	
Copper (ingot).....		26		7,800		63.0	
Copper manufactures.....		765		229,500		2,258.0	
Iron ore.....	55			1,100		2,258.0	
Iron (pig and scrap).....	2,404			81,514		1,146.0	
Cast-iron manufactures.....		745		186,250		852.0	
Steel manufactures.....		12,490		4,996,000		2,258.0	
Structural steel.....		3,232		323,200		2,258.0	
Wire (iron or steel).....		2,063		559,073		2,258.0	
Lead (sheet, bar, wire, etc.).....		533		87,945		63.0	
Other metals (sheet, bar, etc.).....		224		82,685		63.0	
Other metal manufac- tures.....		9,930		7,447,500		2,258.0	
Pipe (cast iron).....		40		4,500		63.0	
Hardware.....		1,832		458,000		2,258.0	
Machinery and vehicles.....			8,137		\$1,804,400		
Agricultural imple- ments.....		884		154,700		2,258.0	
Machinery.....		30		14,000		50.0	
Engines and machinery.....		7,076		1,415,200		830.0	
Automobiles.....		147		220,500		2,258.0	
Chemicals.....			61,088		9,105,880		
Alcohol and products.....		198		169,350		1,160.0	
Chemicals.....		28,237		3,173,040		40.0	
Fertilizer (chemical).....		15,555		731,085		591.0	
Ammunition.....		2,141		2,141,000		2,258.0	
Paints.....		6,303		1,480,605		2,258.0	
Soap.....		8,654		1,430,800		2,258.0	
Unclassified.....			958,980		333,107,461		
Planos.....		75		28,125		63.0	
General merchandise.....		885,642		333,067,736		747.0	
Garbage.....	73,225			No value.		25.0	
Miscellaneous oils.....		38		11,600		2,258.0	
Total.....	691,437	1,241,154	1,932,591		451,284,910		
RECEIPTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair.....			45,791		22,962,915		
Fish.....		868		46,950		8.3	
Leather goods.....		96		75,500		18.4	
Hides.....		34,230		21,023,360		15.5	
Leather.....		127		144,780		5.0	
Grease.....		603		136,139		22.6	
Stearin.....		245		90,860		5.0	
Tallow.....		6,129		1,354,818		22.6	
Tankages.....		3,493		110,508		22.6	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Vegetable food products, oil seeds expressed, oils, and beverages.			555, 196		\$90, 082, 721	<i>Miles.</i>	<i>Cents.</i>
Fruits		3, 988		\$478, 521		6.2	16.1
Vegetables		1, 555		90, 935		6.7	20.9
Flour		101, 371		11, 543, 638		7.0	22.9
Grain		108, 075		6, 064, 723		6.5	
Sugar		173, 568		42, 299, 603		5.0	
Castor beans		21, 340		2, 786, 500		5.0	
Cocoa		1, 850		590, 800		5.0	16.0
Cocoa beans		8, 728		2, 438, 400		3.2	28.8
Coconuts		8, 944		429, 168		7.7	
Coconut oil		149		61, 883		15.8	
Coffee		24, 602		8, 610, 700		5.0	16.0
Confectionery		151		150, 500		5.0	
Copra		2, 701		480, 000		9.5	
Cottonseed oil		3, 749		824, 692		9.7	
Edible oils		1, 867		573, 900		5.0	
Flaxseed		13, 594		2, 103, 784		6.8	
Linseed oil		1, 950		600, 000		5.0	
Miscellaneous oils		39, 633		4, 757, 123		7.6	
Olive oil		53		30, 800		5.0	
Vegetable oils		587		61, 672		5.0	
Molasses		11, 651		1, 631, 060		6.2	16.1
Oil cake		15, 979		1, 293, 009		7.0	
Palm oil		9, 030		2, 164, 350		5.0	
Syrup		81		6, 960		11.5	
Other vegetable products, except fibers and wood.			14, 129		4, 244, 048		
Rubber goods		2, 205		1, 764, 746		9.6	
Dyewoods		373		24, 245		5.0	
Tobacco		6, 739		2, 021, 700		7.0	11.4
Turpentine		4, 412		267, 822		5.0	
Pitch		76		3, 535		7.0	
Rubber (crude)		324		162, 000		5.0	
Textiles			74, 232		33, 299, 349		
Dry goods		6, 778		3, 680, 780		5.0	
Clothing and woolens		7		3, 500		15.0	
Cotton goods		34		13, 600		5.0	16.0
Rope		7, 855		3, 142, 000		8.2	
Cotton (raw)		25, 116		19, 974, 587		9.0	
Bags and bagging		8, 931		842, 347		9.5	8.4
Burlap		18, 786		4, 790, 430		12.3	6.5
Fiber		6, 510		846, 300		6.8	
Hemp		215		5, 805		5.0	
Wood and paper			27, 151		1, 345, 321		
Lumber and timber (sawed)		839		36, 594		6.8	
Lath		6		754		15.0	
Piles or logs	1, 223			37, 808		5.0	
Ties	1, 814			42, 020		21.8	
Wood pulp		960		80, 640		9.5	
Barrels (wood)		622		235, 625		9.3	8.6
Cork		204		61, 200		5.0	
Felt		3, 626		398, 370			
Paper		17, 857		452, 310			
Nonmetallic minerals.			2, 666, 736		82, 268, 633		
Asphalt		10, 856		261, 265		16.3	
Brick (building)	1, 627			18, 108		25.5	
Brick (hollow tile)		1, 233		17, 918		25.5	6.7
Brick (fire)		808		11, 550		23.5	6.4
Marble		2, 646		57, 669		9.6	
Building stone		643		12, 217		15.0	
Cement		246		2, 717		5.0	
Lime		2, 053		61, 198		9.6	10.4
Sand	18, 833			18, 000		30.0	
Sand (white)	5, 130			8, 000		20.7	
Salt		229		11, 908		10.0	
Glassware		2, 164		757, 400		10.0	
Coal	1, 236, 070			9, 932, 706		21.9	2.1
Coke	50, 000			400, 000		15.0	
Ashes	31, 126			4, 670		5.0	
Cellar dirt	26, 500			2, 000		5.0	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Nonmetallic minerals—Con.							
Clay	3,875			\$27,538		Miles.	Cents.
Lubricating oil	12	210,285		13,305,556		28.2	5.3
Gasoline		166,072		17,402,515		8.0	22.9
Kerosene		79,465		4,776,075		8.3	
Other petroleum products						8.0	
Chalk and whiting	229,931	259,062		22,220,656		7.3	
Sulphur	18,500			575,000		8.0	
Drip oil		80,216		2,116,205		6.5	30.8
Fuel oil		4,363		64,703		10.6	
Fuller's earth		143,254		4,470,129		8.5	32.9
Grease		1,504		43,858		10.0	12.5
Gas oil		7,115		533,583		22.6	
Petroleum oils		37		900		12.0	
Naphtha		14,080		3,827,666		7.3	
Plaster		4,538		503,334		7.0	
Plaster material		15,107		254,443		9.0	
Tar oil	13,750			180,000		12.0	
Paraffin wax	7,671			151,574		5.0	
		17,735		237,672		30.7	
Ores, metals, and manufactures, except machinery and vehicles.			344,904		\$77,180,572		
Copper (sheet, bar, wire, etc.)		80,055		27,253,820		13.4	
Copper (ingot)		19,815		6,043,100		8.0	12.5
Copper manufactures		987		314,246		9.0	
Iron ore	2,651			53,020		5.0	
Iron (pig and scrap)	13,810			452,850		5.0	
Iron (sheet, bar, etc.)		356		30,260		5.0	
Cast-iron manufactures		1,882		465,550		15.0	5.3
Steel (ingot, sheet, bar, etc.)		104,682		11,374,560		11.3	14.6
Steel manufactures		50,918		20,367,200		5.5	
Structural steel		23,989		2,398,900		6.0	
Wire (iron or steel)		5,213		1,412,979		13.9	
Lead (sheet, bar, etc.)		5,048		493,155		12.4	11.2
Lead manufactures		7,484		2,382,400		8.3	
Other metals (sheet, bar, etc.)		8,246		2,236,330		7.0	
Other metal manufactures		392		359,822		15.3	32.7
Pipe (wrought iron)		111		3,885		5.0	
Hardware		440		130,450		10.0	
Barytes ore		1,450		15,510		5.0	
Drums (steel)		9,842		1,362,373		7.0	
Other ores	7,533			30,132		7.0	
Machinery and vehicles.			63,548		39,851,969		
Agricultural implements		1		128		8.0	
Machinery		1,290		475,375		5.0	
Engines and machinery		13,494		3,645,800		8.3	
Airplanes		39		545,000		30.0	
Automobiles		26,918		28,628,100		10.8	
Launches		92		32,500		14.1	
Sewing machines		15,991		6,131,060		14.5	
Ship's gear		693		316,703		6.3	
Chemicals			382,900		30,286,022		
Alcohol and products		81		75,450		5.0	
Chemicals		174,996		8,914,498		11.8	17.0
Coal tar	138,851			1,464,531		21.8	
Fertilizer (chemical)		28,104		1,987,016		10.5	9.5
Ammunitions		8,616		8,616,000		9.3	8.6
Cresote oil		84		1,081		7.0	10.0
Paints		2,248		818,716		8.0	10.0
Soap		29,887		8,348,100		14.8	
Unclassified			379,087		101,610,073		
Planos		1,206		452,280		10.0	
General merchandise		376,385		100,463,310		16.5	13.3
Miscellaneous oils		1,370		688,183		7.0	
Life boats		126		6,300		8.0	
Total	1,808,907	2,744,767	4,553,674		483,151,523		

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair			172, 053		\$48, 588, 875	Miles.	Cents.
Fish (offal)	688			\$2, 752		22.6	
Fish.		33		8, 250		23.6	
Oysters and clams.		103		3, 712		32.3	
Horses.		1, 248		495, 000		14.8	
Cattle.		114, 163		38, 901, 460		19.7	
Sheep.		7, 530		1, 814, 500		5.0	
Poultry.		262		206, 660		30.4	19.7
Hides.		1, 588		1, 629, 600		6.5	
Dead animals.		5, 078		69, 061		22.6	
Dressed meats.		22, 494		1, 936, 060		12.8	
Lard.		18, 548		3, 477, 280		5.0	
Skins.		55		16, 500		5.0	
Tallow.		263		25, 020		9.7	8.2
Vegetable food products, oilseeds, expressed oils, and beverages			631, 362		82, 865, 783		
Fruits.		3, 324		398, 880		14.3	34.9
Vegetables.		3, 845		257, 615		15.2	32.9
Flour.		136, 612		13, 903, 149		6.7	11.9
Grain.		230, 187		18, 249, 511		8.8	27.3
Hay.		12, 907		531, 256		6.5	
Straw.		27		712		9.8	
Sugar.		81, 612		21, 266, 000		14.1	28.3
Beer and ale.		1, 818		72, 720		8.3	
Wine.		130		63, 024		10.0	
Cocoa.		487		194, 800		5.0	30.0
Coconuts.		4, 110		197, 280		5.0	
Coconut oil.		170		68, 390		15.8	
Coffee.		503		140, 200		5.0	
Confectionery.		9		8, 750		5.0	
Corn sugar.		3, 282		330, 154		5.0	
Cottonseed oil.		14, 562		3, 150, 656		5.0	28.0
Edible oils.		32, 020		10, 478, 000		10.0	15.7
Linseed.		23, 000		2, 000, 000		5.0	
Linseed oil.	2, 859	1, 983		2, 000, 808		13.6	
Miscellaneous foods.		15, 017		2, 147, 819		10.6	26.0
Miscellaneous oils.		5, 619		2, 223, 000		12.0	6.7
Corn oil.		788		9, 830		12.0	6.7
Molasses.		26, 218		1, 585, 992		5.3	18.8
Salad oil.		1, 597		798, 272		5.0	
Sirup.		28, 676		2, 788, 965		9.7	
Other vegetable products, except fibers and wood.			80, 497		18, 910, 216		
Rubber goods.		6, 974		5, 135, 245		7.3	
Dyewoods.		2, 324		55, 655		7.7	
Tobacco.		6, 377		2, 003, 100		8.3	9.6
Turpentine.		2, 663		753, 056		8.6	
Pitch.		330		22, 175		8.5	42.3
Rosin.		56, 212		9, 989, 220		12.8	6.2
Rosin oil.		328		56, 600		7.5	13.3
Rubber (crude).		1, 309		460, 920		39.6	1.2
Starch.		2, 809		370, 453		5.0	
Pine tar.		1, 171		63, 792		6.6	12.1
Textiles.			64, 334		36, 004, 875		
Dry goods.		2, 106		1, 298, 206		17.3	
Clothing and woollens.		1, 261		648, 700		18.6	
Cotton goods.		2, 100		669, 701		10.0	10.0
Rope.		63		14, 746		23.4	
Wool (raw).		196		192, 060		5.0	16.0
Cotton (raw).		43, 519		30, 951, 384		10.7	
Bags (empty).		3, 084		787, 410		8.0	10.0
Burlap.		69		53, 885		8.5	21.2
Fiber.		10, 048		1, 306, 240		10.0	8.0
Hemp.		1, 599		40, 373		5.0	
Cotton linters.		274		41, 100		5.0	16.0
Rags.		15		1, 050		5.0	16.0

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTRAPORT— continued.							
Wood and paper			267,670		\$8,842,536	Miles.	Cents.
Paving blocks (wood)	58			\$1,392		10.0	
Lumber and timber (sawed)		147,915		5,537,703		12.6	
Shingles		8		342		32.3	
Lath		4		455		32.3	
Piles or logs		68,177		1,939,891		9.0	
Ties		40,317		520,831		11.6	
Cordwood		1,414		4,828		10.0	
Wood pulp		49		4,116		6.5	
Paper		8,940		729,959		11.8	9.3
Precious woods		352		49,280		5.0	22.0
Rattan		300		51,400		8.0	
Shooks		136		2,278		6.8	
Nonmetallic minerals			7,662,308		64,091,226		
Asphalt		474		16,466		5.0	
Brick (building)	2,330			23,300		5.0	
Brick (hollow tile)		1,425		32,775		5.0	
Brick (fire)		1,586		62,041		5.0	
Marble		13,737		304,595		10.5	
Building stone		36,179		682,502		5.0	
Cement		556,270		8,675,687		11.2	12.0
Lime		4,640		103,528		7.5	17.3
Sand	7,942			7,474		7.5	
Sand (silica)	605			13,068		8.0	
Crushed stone	50			400		7.0	
Rip rap	1,260			1,800		9.0	
Sewer pipe		296		9,200		18.6	
Salt		16,830		869,159		5.0	
Glassware		340		119,000		18.6	
Clay manufactures		641		29,272		9.8	
Coal	5,652,688			45,423,387		10.0	5.0
Coke	154			1,232		16.5	
Ashes	1,234,041			223,400		11.5	
Clay	7,290			130,978		14.6	
Lubricating oil		60,845		4,095,103		10.8	
Gasoline		4,341		782,499		13.9	
Kerosene		3,304		216,082		10.0	
Other petroleum prod- ucts	24,716	2,562		786,636		12.5	
Chalk and whiting		36,071		941,391		11.5	
Sulphur		124		2,480		5.0	
Charcoal		339		1,695		7.0	
Fuller's earth		9,581		276,615		5.0	
Grease (petroleum)		37		1,358		8.5	
Limestone dust		3,177		18,000		8.0	
Mortar		2,200		41,500		8.0	
Naphtha		44		5,283		5.0	
Plaster		1,286		25,720		15.0	
Wax (petroleum)		4,903		167,600		7.5	
Ores, metals, and manufac- tures, except machinery and vehicles			669,901		104,094,389		
Slag	428			107		8.0	
Aluminum		158		101,932		6.2	
Aluminum manufac- tures		77		62,600		10.0	
Copper ore	54,624			3,220,880		12.8	
Copper (sheet, bar, wire, etc.)		21,866		6,498,800		9.9	50.5
Copper (ingot)		89,381		27,362,385		14.3	4.2
Iron ore	18,982			63,171		11.5	
Iron (pig and scrap)	25,132			902,595		8.5	
Iron (sheet, bar, etc.)		5,859		501,015		10.0	
Iron (mine tailing)	10,428			947,300		5.0	
Cast-iron manufactures		863		158,900		17.4	4.6
Steel (ingot, sheet, bar, etc.)		20,353		1,675,850		8.5	9.4
Steel manufactures		47,678		10,544,217		10.0	8.0
Structural steel		134,665		12,521,638		6.2	12.9
Wire (iron or steel)		33,730		8,637,333		6.2	12.9
Lead (sheet, bar, etc.)		24,663		3,133,678		8.2	21.9
Lead manufactures		6,027		1,405,927		23.4	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTRAPORT— continued.							
Ores, metals, and manufac- tures, except machinery and vehicles—Continued.						Miles.	Cents.
Other metals (sheet, bar, etc.)		31,016		\$5,123,558		11.6	17.2
Other metal manufac- tures		18,065		3,480,017			
Pipe (wrought iron)		14,264		568,524		8.2	9.7
Pipe (cast iron)		1,610		161,000		14.4	5.5
Pipe (steel)		15,336		2,290,400		9.5	8.4
Hardware		4,669		1,185,005		13.1	8.4
Barrels (steel)		24,704		5,524,447		9.0	
Cinder ore	41,796			83,580		11.5	
Drums (steel)		3,410		494,530		8.0	
Chrome ore	11,127			445,000		21.8	2.8
Tin concentrates		8,960		7,000,000		24.5	9.2
Machinery and vehicles.			63,918		\$29,648,164		
Agricultural imple- ments		8,068		1,645,725		12.8	
Machinery		4,037		1,506,815		6.8	
Engines and machinery		38,130		8,874,719		14.0	5.7
Automobiles		13,140		17,444,500		9.0	
Ship's gear		543		176,405		7.0	
Chemicals			132,950		10,798,894		
Alcohol and products.		1,989		1,290,138		8.0	10.0
Chemicals		74,339		3,667,679		9.0	
Coal tar	898			24,421		11.2	
Fertilizer (chemical)		30,298		2,102,161		19.3	
Dextrine		24		2,963		5.0	
Cresote oil		6,991		139,824		8.0	5.7
Paints		1,687		297,228		8.2	
Soap		16,724		3,244,480		6.5	24.6
Unclassified			1,006,402		215,123,545		
Pianos		651		244,125		20.2	
General merchandise		995,496		214,402,303		5.0	16.0
Garbage	8,267			39,950		22.6	
Miscellaneous oils		632		337,167		11.9	
Ordinance		356		100,000		20.7	
Total	7,106,363	3,674,032	10,780,395		618,968,503		
RECEIPTS, INTERNAL.							
Animal and animal prod- ucts, except wool and hair			848		832,670		
Fish		15		3,750		101.0	
Horses		200		79,500		123.0	
Cattle		37		16,020		72.0	
Poultry		6		4,800		106.0	
Leather goods		458		189,000		123.0	
Fat and tallow		132		39,600		43.0	7.4
Vegetable food products, oil- seeds, expressed oils, and beverages			236,530		67,743,445		
Fruits	29,644			2,455,341		125.0	7.2
Vegetables	5,582			372,145		143.0	
Flour	1,310			133,690		273.0	
Grain	22,566			1,083,812		330.0	7
Hay	4,145			141,952		107.0	2.8
Straw	515			15,150		108.0	2.8
Sugar (refined)	151,601			56,104,272		17.0	
Beer and ale	709			28,360		107.0	
Cocoa beans	41			11,480		101.0	
Miscellaneous	4,101			835,200		123.0	
Sirup	3,769			1,067,427		17.0	
Cider and vinegar	1,795			107,716		114.0	
Compressed yeast	10,752			5,386,900		43.0	4.6
Other vegetable products, except fibers and wood			377		298,600		
Rubber goods		371		296,800		123.0	
Tobacco		6		1,800		101.0	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL—CON.							
Textiles.....			4,627		\$2,174,913	Miles.	Cents.
Dry goods.....		2,142		\$1,470,200		\$110.0	
Clothing and woolens.....		932		466,000		145.0	
Rope.....		7		2,800		101.0	
Bags and bagging.....		1,546		235,913		17.0	11.8
Wood and paper.....			13,725		1,420,509		
Lumber and timber (sawed).....		622		23,241		110.0	
Piles or logs.....		4		88		445.0	
Cordwood.....		137		980		101.0	
Paper.....		12,962		1,396,200		101.0	
Nonmetallic minerals.....			201,918		1,796,979		
Brick (building).....	70,904			669,797		90.0	2.8
Brick (fire).....		183		4,160		43.0	
Marble.....		1		16		101.0	
Cement.....		32,257		543,733		117.0	
Crushed stone.....	61,469			100,224		41.0	
Flagging.....		3,624		51,566		101.0	
Paving blocks (asphalt).....	23,404			168,237		20.0	
Salt.....		595		30,940		123.0	
Glassware.....		434		151,900		123.0	
Coal.....	7,925			70,760		90.0	
Charcoal.....	12			96		43.0	
Molding sand.....	1,110			5,550		145.0	
Ores, metals and manufac- tures, except machinery and vehicles.....			37,421		12,439,667		
Copper manufactures.....		26,460		8,960,900		18.5	
Iron ore.....	43			860		145.0	
Iron (pig and scrap).....	561			18,513		445.0	
Cast-iron manufactures.....		6,026		1,506,500		43.0	6.5
Steel (ingot, sheet, bar, etc.).....		11		1,632		75.0	
Steel manufactures.....		1,452		422,787		67.0	5.9
Lead manufactures.....		1		400		101.0	
Other metals (sheet, bar, etc.).....		89		15,575		123.0	
Other metal manufac- tures.....		1,771		1,328,250		145.0	
Pipe (cast-iron).....		450		45,000		88.0	
Hardware.....		557		139,250		230.0	3.5
Machinery and vehicles.....			2,959		677,725		
Agricultural imple- ments.....		737		125,925		110.0	
Machinery.....		40		14,000		123.0	
Engines and machinery.....		2,104		420,800		17.0	
Automobiles.....		78		117,000		101.0	
Chemicals.....			1,358		235,032		
Coal tar.....	195			2,372		107.0	
Paints.....		1,163		232,660		145.0	
Unclassified.....			343,189		26,910,369		
Ice.....	258,449			795,379		114.0	
Pianos.....		258		96,750		145.0	
General merchandise.....		84,482		26,018,240		18.0	
Total.....	424,072	418,880	842,952		114,029,909		
SHIPMENTS, INTERNAL.							
Animals and animal prod- ucts except wool and hair.....			3,962		1,032,796		
Fish.....		187		45,571		59.0	6.8
Oysters and clams.....		70		6,285		102.0	3.9
Horses.....		578		229,000		66.5	10.5
Poultry.....		2,887		634,776		44.0	10.0
Leather goods.....		208		104,000		445.0	
Leather.....		2		2,280		101.0	
Lard.....		29		10,440		43.0	7.4
Meats.....		1		444		75.0	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTERNAL—con.							
Vegetable food products, oil seeds, expressed oils, and beverages			104,424		\$11,911,988	Miles.	Cents.
Fruits		14		\$3,369		75.0	
Vegetables		1,841		122,705		43.0	9.3
Flour		1,061		135,990		94.0	
Grain		12,316		592,644		168.7	1.9
Salt hay		3		74		111.0	
Sugar		6,980		2,073,000		201.0	1.5
Beer and ale		347		13,880		123.0	
Flaxseed		79,596		8,528,000		445.0	0.7
Linseed		536		48,140		445.0	0.7
Linseed oil		45		18,880		145.0	2.5
Miscellaneous foods		1,488		329,445		75.0	
Miscellaneous oils		57		37,311		107.0	0.4
Sirup		140		8,550		260.0	
Other vegetable products, except fibers and wood			2,020		790,918		
Rubber goods		38		50,446		45.0	
Tobacco		1,506		451,800		43.0	10.2
Turpentine		1		325		94.5	
Rosin		113		13,530		17.0	
Rubber (crude)		362		274,817		17.0	14.1
Textiles			20,866		4,809,438		
Dry goods		136		55,903		207.0	1.3
Clothing and woollens		115		57,500		43.0	8.0
Cotton goods		2,894		1,276,100		187.6	
Rope		12		4,800		72.0	
Cotton (raw)		271		264,407		65.5	3.7
Bags		11,244		1,100,000		17.0	
Burlap		6,194		2,050,728		17.0	
Wood and paper			6,080		232,345		
Lumber and timber (sawed)		5,742		201,465		60.5	
Paper		338		30,880		64.3	
Nonmetallic minerals			165,788		1,616,293		
Asphalt		13		286		145.0	
Brick (fire)		805		20,700		145.0	
Cement		5,363		95,654		30.0	8.0
Lime		36		948		94.0	2.5
Sewer pipe		45		494		22.0	
Salt		91		4,732		78.5	4.1
Glassware		41		14,650		175.8	3.4
Coal	129,422			1,040,004		43.0	
Molding sand	6			220		75.0	
Lubricating oil		1,113		76,242		118.5	
Other petroleum prod- ucts		1,246		94,653		46.0	
Chalk and whiting		18,263		34,191		38.5	6.2
Sulphur		8,548		161,413		231.0	1.3
Fuel oil		371		9,887		87.8	0.9
Grease (petroleum)		89		11,580		231.0	3.1
Wax (petroleum)		336		50,639		17.0	14.1
Ores, metals, and manufac- tures, except machinery and vehicles			15,950		3,244,236		
Copper ore	795			39,750		20.0	
Copper (sheet, bar, etc.)		6,478		2,059,804		26.6	10.4
Copper (ingot)		230		69,500		260.0	
Copper manufactures		42		13,888		17.0	
Iron (pig and scrap)	841			33,719		52.5	
Iron (sheet, bar, etc.)		1,405		119,425		295.0	
Cast-iron manufactures		1		1,220		75.0	
Steel (ingot, sheet, bar, etc.)		993		97,136		48.8	
Steel manufactures		38		48,210		75.0	5.3
Structural steel		71		7,100		43.0	6.5
Wire (iron or steel)		39		5,597		46.0	.5
Lead (sheet, bar, ingot, etc.)		2,218		322,343		68.3	4.1
Lead manufactures		29		5,291		17.0	14.1
Other metals (sheet, bar, etc.)		1,096		191,800		81.0	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTERNAL—CON.							
Ores, metals, and manufac- tures, except machinery and vehicles—Continued.						Miles.	Cents.
Other metal manufac- tures.....		74		\$47,141		96.0	4.2
Pipe (wrought iron).....		63		10,498		46.0	9.1
Pipe (cast iron).....		1,487		148,700		43.0	6.5
Hardware.....		50		23,114		74.0	7.0
Machinery and vehicles.....			3,846		\$563,660		
Engines and machinery.....		3,620		389,660		46.0	7
Automobiles.....		226		174,000		123.0	
Chemicals.....			5,418		615,002		
Alcohol and products.....		104		92,466		110.0	
Chemicals.....		4,641		477,977		196.3	5.1
Fertilizer (chemical).....		578		24,461		109.0	
Paints.....		95		20,098		220.0	1.9
Unclassified.....			131,650		42,369,751		
Pianos.....		4		1,500		43.0	3.5
General merchandise.....		130,519		42,067,663		273.0	2.3
Miscellaneous oils.....		1,127		300,588		109.0	4
Total.....	131,064	328,940	460,004		67,186,427		
LOCAL.							
Animals and animal prod- ucts, except wool and hair.			431,225		120,679,248		
Fish.....		1,869		436,110		5.0	
Horses.....		364		144,500		5	
Cattle.....		252,520		58,961,615		3.0	
Sheep.....		16,699		4,250,497		5	
Hogs.....		6,886		1,156,701		4.0	
Leather goods.....		2,117		1,058,500		1.0	
Oyster shells.....		6,900		27,600		2.0	
Hides.....		33,370		30,033,000		1.0	
Leather.....		16,750		1,909,500		1.0	
Manure.....	35,157			52,735		2.0	
Calves.....		9,175		3,058,250		4.0	
Lard.....		15,665		6,119,480		3.0	
Dressed meats.....		31,405		13,362,000		2.0	
Stearin.....		348		108,760		2.0	
Vegetable food products, oil seeds, expressed oils, and beverages.			733,439		102,285,628		
Fruits.....		24,623		2,954,763		5	
Vegetables.....		4,434		295,580		1.0	
Flour.....		122,811		12,706,786		2.5	
Grain.....		62,411		3,579,610		1.0	
Hay.....		8,086		360,469		2.0	
Straw.....		200		4,000		4.0	
Sugar.....		65,671		18,295,964		2.5	
Beer and ale.....		52		2,080		1.0	
Wine.....		4,367		2,183,500		1.0	
Castor oil.....		56		22,400		3.0	
Cocoa.....		7,418		2,827,200		2.0	
Cocoa beans.....		5,649		1,581,720		3.0	
Coconuts.....		1,944		93,408		2.0	
Coconut oil.....		135		44,539		5.0	
Coffee.....		18,762		6,514,250		2.0	
Copra.....		875		105,000		4.0	
Corn products.....		83,508		9,706,950		5.0	
Corn sugar.....		350		35,161		4.0	
Cottonseed oil.....		20,868		4,562,997		2.0	
Edible oils.....		8		22,500		5	
Flaxseed.....		222,574		23,570,404		5	
Linseed oil.....		4,223		1,752,640		3.0	
Miscellaneous foods.....		55,774		9,107,955		2.0	
Peanut oil.....		66		5,000		3.0	
Miscellaneous oils.....		146		10,536		3.0	
Molasses.....		2,506		435,300		3.0	
Oil cakes.....		4,300		319,000		5.0	
Salad oil.....		82		41,175		4.0	
Corn sirup.....		11,540		1,144,741		5.0	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
LOCAL—continued.							
Other vegetable products, except fibers and wood.....			57,414		\$20,925,638	Miles.	Cents.
Rubber goods.....		10,099		\$8,079,200		3.0	
Dyewoods.....		4,055		263,575		3.0	
Tobacco.....		30,127		9,929,000		3.0	
Rosin size.....		21		4,400		4.0	
Rosin.....		11,659		2,293,870		2.5	
Rubber (crude).....		829		301,600		3.0	
Starch.....		600		52,553		4.0	
Pine tar.....		24		1,440		4.0	
Textiles.....			190,999		96,871,922		
Dry goods.....		46,629		27,977,400		3.0	
Clothing and woolens.....		22,629		11,314,500		3.0	
Cotton goods.....		9,363		3,745,200		3.0	
Rope.....		22,184		8,873,600		2.5	
Wool (raw).....		14,655		14,361,900		3.0	
Cotton (raw).....		66,677		28,707,404		5.0	
Bagging.....		307		37,020		4.0	
Burlap.....		5,102		1,530,600		2.5	
Fiber.....		2,270		269,848		4.0	
Hemp.....		1,000		27,000		3.0	
Cotton linters.....		183		27,450		4.0	
Wood and paper.....			62,683		3,617,074		
Lumber and timber (sawed).....		29,797		1,111,529		4.0	
Piles or logs.....		4,913		108,097		2.5	
Wood pulp.....		3,612		303,408		3.0	
Cork.....		13,845		1,107,600		3.0	
Paper.....		10,516		986,440		3.5	
Nonmetallic minerals.....			1,248,743		20,838,832		
Asphalt.....		3,921		387,100		4.0	
Brick (fire).....		300		7,714		2.0	
Marble.....		2,719		43,112		3.0	
Cement.....		53,412		980,806		3.5	
Lime.....		2,888		92,397		3.0	
Salt.....		22,600		1,224,600		2.0	
Glassware.....		9,567		3,348,450		3.0	
Coal.....	1,026,158			8,245,917		5.0	
Ashes.....	1,550			232		3.0	
Clay.....	32,402			194,412		4.0	
Lubricating oil.....		62,958		4,446,315		8.0	
Other petroleum prod- ucts.....		18,850		1,305,546		3.0	
Chalk and whiting.....		3,349		103,819		4.0	
Sulphur.....		257		5,140		4.0	
Fuller's earth.....		2,842		85,260		3.0	
Grease (petroleum).....		379		14,023		3.0	
Wax (petroleum).....		4,591		353,989		3.0	
Ores, metals, and manufac- tures, except machinery, and vehicles.....			529,134		103,336,483		
Aluminum.....		879		566,942		6.0	
Copper ore.....	940			47,000		4.0	
Copper (sheet, bar, wire, etc.).....		11,229		3,368,700		3.0	
Copper (ingot).....		1,841		552,300		3.0	
Copper manufactures.....		1,627		488,100		3.0	
Iron ore.....	33,317			666,340		5.0	
Iron (pig and scrap).....	72,904			5,484,560		2.0	
Iron (sheet, bar, etc.).....		22,991		1,954,235		3.0	
Cast-iron manufactures.....		84,146		21,046,500		4.0	
Steel (sheet, bar, ingot, etc.).....		4,400		352,000		4.0	
Steel manufactures.....		31,301		8,918,930		4.0	
Structural steel.....		51,637		4,321,000		3.0	
Wire (iron or steel).....		47,446		12,857,866		3.0	
Lead (sheet, bar, ingot, etc.).....		14,104		2,327,160		3.0	
Lead manufactures.....		16,791		6,716,400		3.0	
Other metals (sheet, bar, etc.).....		29,304		4,003,176		3.0	
Other metal manufac- tures.....		60,125		24,556,434		0.5	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
LOCAL—continued.							
Ores, metals, and manufac- tures, except machinery, and vehicles—Contd.						Miles.	Cents.
Pipe (wrought iron)		7,644		\$267,540		3.0	
Pipe (cast iron).....		21,443		1,844,300		3.0	
Pipe (steel).....		3,792		568,800		3.0	
Hardware		11,273		2,428,200		2.0	
Machinery and vehicles.....			78,440		\$32,453,600		
Agricultural implements		10,649		1,711,100		1.5	
Machinery.....		1,347		629,450		2.0	
Engines and machinery.....		53,222		10,644,400		3.0	
Automobiles.....		12,863		19,294,500		3.0	
Ships' gear.....		359		174,150		3.0	
Chemicals.....			120,468		19,223,717		
Alcohol and products.....		6,869		6,133,650		3.0	
Chemicals.....		56,579		4,226,937		1.5	
Fertilizer (chemical).....		14,733		692,451		2.0	
Washing powder.....		469		53,466		2.0	
Paints.....		2,262		207,511		3.0	
Soap.....		39,556		7,909,702		2.0	
Unclassified.....			3,929,214		1,111,534,293		
Pianos.....		5,192		1,947,000		3.0	
General merchandise.....		3,918,508		1,108,532,519		4.0	
Miscellaneous oils.....		5,514		1,054,774		3.0	
Total local.....	1,202,428	6,179,331	7,381,759		1,631,766,435		
Total receipts and shipments.....	12,177,789	15,972,419	28,150,208		3,804,307,346		

Cargoes in transit.

Classes of commodities.	Amount in short tons.	Value.	Classes of commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair:			Nonmetallic minerals—Continued.		
Hides.....	5	\$4,500	Molding sand.....	96,566	\$435,058
Manure.....	794	3,178	Lubricating oil.....	2,200	235,343
Vegetable food products, oil seeds, expressed oils, and beverages:			Gasoline.....	13,669	1,040,290
Flour.....	26,212	2,674,650	Kerosene.....	1,873	79,973
Grain.....	54,445	2,613,384	Other petroleum products.....	121,294	7,644,152
Sugar (raw).....	596,029	134,018,050	Chalk and whiting.....	105	3,060
Sugar (refined).....	189,834	63,622,322	Sulphur.....	1,786	35,720
Coconut oil.....	413	167,840	Coal dust.....	552	1,730
Linseed.....	52,344	5,151,600	Fuel oil.....	1,681	44,269
Miscellaneous foods.....	20	4,350	Grease (petroleum).....	130	10,242
Molasses.....	18	1,980	Gas oil.....	5,592	120,938
Sirup.....	3,869	979,222	Limestone dust.....	3,461	24,356
Other vegetable products, except fibers and woods:			Plaster.....	21,413	414,403
Rubber goods.....	72	18,000	Plaster boards.....	12	364
Sumac.....	620	40,000	Stone dust.....	4,862	18,488
Nut galls.....	335	227,800	Wax (paraffin).....	59	4,068
Pitch.....	247	61,750	Crates, metals, and manufactures, except machinery and vehicles:		
Rosin.....	148	37,000	Copper, scale and scrap.....	835	41,750
Textiles:			Copper (sheet, bar, wire, etc.).....	22,691	7,460,738
Clothing and woollens.....	323	161,500	Copper (ingot).....	6,406	1,902,550
Cotton goods.....	16	6,400	Copper manufactures.....	6,641	2,110,848
Rope.....	86	21,500	Iron (pig and scrap).....	54,312	1,791,184
Bags.....	29	17,346	Iron (sheet, bar, etc.).....	638	56,045
Burlap.....	1,410	495,390	Cast-iron manufactures.....	307	76,750
Wood and paper:			Steel (ingot, sheet, bar, etc.).....	1,063	103,260
Lumber and timber (sawed).....	32,326	1,105,520	Steel manufactures.....	77	30,800
Shingles.....	3	137	Structural steel.....	1,261	126,100
Lath.....	47	6,003	Lead (sheet, bar, ingot, etc.).....	940	115,800
Cordwood.....	196	1,300	Other metals (sheet, bar, etc.).....	77	16,375
Wood pulp.....	20,329	537,697	Other metal manufactures.....	6,342	4,741,500
Paper.....	5,676	228,136	Pipe (wrought iron).....	283	18,505
Shavings.....	202	1,195	Pipe (cast iron).....	485	48,500
Wood-pulp board.....	45	3,674	Hardware.....	10	2,500
Nonmetallic minerals:			Pig tin.....	12	11,298
Asphalt.....	1,582	68,870	Machinery and vehicles:		
Brick (building).....	300,289	3,364,500	Machinery.....	164	44,000
Brick (hollow tile).....	206	4,742	Engines and machinery.....	5,061	2,365,400
Building stone.....	1,934	36,852	Chemicals:		
Cement.....	239,230	3,847,136	Chemicals.....	9,872	641,425
Lime.....	815	29,397	Fertilizer (chemical).....	800	43,520
Gravel.....	33,426	51,164	Carbonate of lime.....	1,481	10,015
Sand (plain).....	22,619	23,409	Paints.....	166	34,967
Sand (white).....	567	870	Unclassified:		
Sand (fire).....	142	610	Ice.....	261,332	866,032
Crushed stone.....	1,778,377	2,568,788	General merchandise.....	7,065	1,851,779
Rfprap.....	882	1,260			
Flagging.....	8,290	99,210			
Paving blocks (asphalt).....	15,396	156,035			
Salt.....	15,628	550,960			
Coal.....	172,351	1,384,965			
Coke.....	300	1,292			
Clay.....	14,949	77,038			
			Total.....	4,257,312	259,082,604

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri- can.	For- eign.	Arrivals.	Depart- ures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers.....	618	353	18,861	18,744	60	52,300	3	38
Towboats.....	350		55,435	55,435	9	418	6	18
Sailing vessels.....	93	9	121	121	49	1,614	5	21
Canal boats, lighters, barges, etc.	4,796		71,803	71,803	75	3,934	3	25
Ferry boats.....	63		733,151	733,151	501	1,483	8	17
Car floats.....	162		88,721	88,721	1,200	1,600	4	7
Police department:								
Steamers.....	1		300	300		400		13
Launches.....	3		1,065	1,065		18		5
Fire department steamers.....	10		949	949	36	326	7	15
Supervisor steamer.....	1		48	48		208		12
Miscellaneous craft.....	32		1,564	1,564	15	581	3	15
Unregistered, canal boats, lighters, barges, etc.....	1,044		5,780	5,780	95	2,000	3	15

Passengers carried, 82,685,739.

The following vessels visited repair yards on this waterway:

Class.	Number of vessels.	
	American.	Foreign.
Steamers.....	280	33
Towboats.....	425	
Sailing vessels.....	33	
Canal boats, lighters, barges, etc.	216	
Miscellaneous craft.....	185	

BUTTERMILK CHANNEL, N. Y.

[Navigation season, continuous.]

Freight traffic.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		2,356		\$2,044,600
Hides.....	2,138		\$1,924,200	
Skins.....	110		88,000	
Tallow.....	108		32,400	
Vegetable food products, oilseeds, expressed oils, and beverages.....		442,925		92,447,288
Fruits.....	33,788		4,054,590	
Vegetables.....	18,131		1,208,730	
Sugar.....	337,273		67,454,600	
Cocoa.....	19,027		7,230,250	
Coconuts.....	10,488		508,324	
Coffee.....	388		271,264	
Miscellaneous foods.....	22,744		11,372,000	
Molasses.....	1,026		320,600	
Olive oil.....	60		31,920	
Other vegetable products, except fibers and wood.....		20,953		5,980,295
Dyewoods.....	278		18,070	
Tobacco.....	20,372		5,880,325	
Rubber (crude).....	303		90,900	

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Textiles.....		7,822		\$3,430,860
Wool (raw).....	2,840		\$2,783,200	
Fiber.....	4,982		647,660	
Wood and paper.....		7,125		515,784
Lumber and timber.....	8,134		205,382	
Balsa wood.....	1,044		93,854	
Barrels (wood).....	947		216,568	
Nonmetallic minerals.....		710		11,960
Marble.....	560		8,980	
Pumice stone.....	150		3,000	
Ores, metals, and manufactures of, except machinery and vehicles.....		36,652		6,185,640
Copper ore.....	3,708		185,300	
Copper (sheet, bar, etc.).....	4,000		1,200,000	
Copper (ingot).....	910		273,000	
Iron ore.....	680		13,600	
Lead (sheet, bar, etc.).....	27,356		4,513,740	
Chemicals.....		55,093		3,401,206
Alcohol and products.....	1,162		1,037,550	
Chemicals.....	3,931		363,656	
Fertilizer (chemical).....	50,000		2,000,000	
Unclassified: General merchandise.....	339,517	339,517	101,855,100	101,855,100
Total.....	913,153			215,861,733
EXPORTS.				
Animals and animal products, except wool and hair.....		13,420		4,473,480
Fish.....	9,464		2,366,000	
Horses.....	8		3,000	
Cattle.....	84		37,440	
Leather goods.....	3,653		1,826,500	
Leather.....	211		240,540	
Vegetable food products, oilseeds, expressed oils, and beverages.....		115,607		18,797,355
Canned fruits.....	2,200		440,000	
Vegetables.....	9,490		325,908	
Flour.....	25,281		2,579,720	
Grain.....	8,383		628,752	
Hay.....	8,250		10,375	
Sugar.....	8,410		2,523,000	
Beer and ale.....	175		6,000	
Miscellaneous foods.....	61,418		12,283,600	
Other vegetable products, except fibers and wood.....		1,277		769,200
Rubber goods.....	899		719,200	
Tobacco.....	16		24,000	
Turpentine.....	382		26,000	
Textiles.....		45,731		18,919,355
Dry goods.....	15,259		9,155,400	
Textiles.....	7,223		3,611,500	
Cotton goods.....	3,459		1,383,600	
Rope.....	2,755		1,102,000	
Cotton.....	1,850		1,110,000	
Gunnies.....	10,864		1,455,000	
Burlap.....	4,321		1,101,855	
Wood and paper.....		9,867		491,475
Lumber and timber (sawed).....	3,414		136,560	
Paper.....	6,453		354,915	
Nonmetallic minerals.....		152,260		6,153,666
Brick (building).....	30		300	
Brick (fire).....	4,701		196,480	
Cement.....	86,216		1,540,110	
Lime.....	315		7,285	
Sewer pipe.....	676		6,760	
Salt.....	237		12,324	
Glassware.....	3,286		1,150,100	
Clay manufactures.....	15		600	
Coal.....	11,666		113,576	
Coke.....	336		3,900	
Lubricating oil.....	14,103		940,212	
Gasoline.....	2,465		246,513	
Kerosene.....	20,614		1,404,806	
Other petroleum products.....	7,500		520,000	
Wax.....	100		10,700	

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
EXPORTS—continued.				
Ores, metals, and manufactures of, except machinery and vehicles.....		162,942		\$19,522,035
Aluminum manufactures.....	116		\$92,800	
Copper (ingot).....	463		138,900	
Copper manufactures.....	896		268,800	
Iron ore.....	5,138		102,760	
Iron (pig and scrap).....	116		3,828	
Iron (sheet, bar, etc.).....	97,414		8,280,190	
Cast-iron manufactures.....	10,342		2,585,500	
Steel (ingot, sheet, bar, etc.).....	9,610		768,800	
Steel manufactures.....	1,862		744,800	
Structural steel.....	11,000		1,100,000	
Wire (iron or steel).....	1,347		365,037	
Lead manufactures.....	14		5,600	
Other metals (sheet, bar, etc.).....	2,851		498,925	
Other metal manufactures.....	1,000		750,000	
Pipe (wrought iron).....	6,017		210,595	
Pipe (cast-iron).....	108		10,800	
Pipe (steel).....	673		100,950	
Hardware.....	13,975		3,493,750	
Machinery and vehicles.....		75,748		19,162,145
Agricultural implements.....	25,731		4,502,925	
Engines and machinery.....	46,430		9,286,000	
Automobiles.....	3,483		5,224,500	
Boats and launches.....	104		148,720	
Chemicals.....		29,899		2,512,456
Chemicals.....	15,583		1,792,045	
Coal tar.....	26		296	
Fertilizer (chemical).....	14,165		708,250	
Soap.....	125		11,875	
Unclassified.....		791,078		237,351,750
Pianos.....	378		141,750	
General merchandise.....	790,700		237,210,700	
Total.....	1,397,829	1,397,829		328,152,917
Total imports and exports.....		2,310,982		544,034,650

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Vegetable food products, oilseeds, expressed oils, and beverages: Flour.....		3,303	3,303	\$337,030	\$337,030	Miles. 5,305.0	Cents.
Wood and paper: Timber.....	1,296		1,296	10,520	10,520		
Total.....	1,296	3,303	4,601		347,550		
SHIPMENTS, COASTWISE.							
Unclassified: Garbage.....	241,134		241,134	(1)		22.0	
RECEIPTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair.....			2,428		856,802		
Fish.....		321		64,205		5.0	
Mules.....		364		57,700		5.0	
Cattle.....		1,604		711,360		5.0	
Sheep.....		83		20,737		5.0	
Wax.....		56		2,800		5.3	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			48, 148		\$4, 430, 936	Miles.	Cents.
Flour.....		8, 621		\$1, 010, 243		5.0	
Grain.....		31, 178		1, 890, 867		5.0	
Coconut oil.....		114		47, 922		18.0	
Miscellaneous foods.....		6, 688		962, 408		5.0	18.0
Miscellaneous oils.....		92		8, 096		5.0	18.0
Molasses.....		548		27, 400		5.0	18.0
Olive oil.....		907		484, 000		5.0	
Other vegetable products, except fliters and wood.....			27, 286		5, 457, 133		
Gum.....		11		5, 754		1.5	
Pine tar.....		22		660		1.5	
Rosin oil.....		17		3, 519		1.5	
Rosin.....		27, 236		5, 447, 200		1.5	
Textiles.....			10, 691		5, 378, 700		
Cotton (raw).....		5, 896		3, 550, 100		5.0	
Bags and bagging.....		4, 579		1, 800, 000		5.0	
Fiber.....		190		24, 700		5.0	18.0
Linters.....		26		3, 900		5.0	16.0
Wood and paper: Lumber and timber (sawed).....		7, 436	7, 436	481, 537	481, 537	5.0	
Nonmetallic minerals.....			180, 865		11, 582, 624		
Asphalt.....	1, 187			29, 675		6.0	
Brick, fire.....		468		11, 736		20.5	
Cement.....		23, 023		444, 806		5.0	
Sewer pipe.....		139		8, 500		5.0	
Coal.....	15, 883			127, 629		7.7	
Molding sand.....	1, 500			7, 500		24.5	
Lubricating oil.....		26, 317		2, 193, 792		5.3	
Gasoline.....		41, 639		4, 163, 627		5.5	
Kerosene.....		47, 505		3, 237, 847		5.0	
Nujol.....		35		2, 200		5.0	
Fuel oil.....		19, 026		1, 116, 203		6.0	
Gas oil.....		202		4, 860		5.0	
Varnolene.....		295		23, 625		6.0	
Wax (petroleum).....		3, 646		210, 624		5.0	
Ores, metals and manufac- tures, except machinery and vehicles.....			11, 425		2, 683, 117		
Copper (sheet, bar).....		59		17, 700		5.0	20.0
Copper (ingot).....		3, 114		924, 200		5.0	
Steel manufactures.....		258		96, 068		5.0	
Structural steel.....		1, 801		144, 080		3.5	
Wire (iron or steel).....		3, 179		861, 509		2.5	
Other metals (sheet, bar, etc.).....		5		251		6.0	
Pipe (cast iron).....		750		74, 559		3.0	
Hardware.....		2, 259		564, 750		2.5	
Machinery and vehicles.....			12, 142		15, 273, 396		
Machinery.....		2, 198		581, 736		3.5	
Automobiles.....		9, 759		14, 638, 500		4.2	
Launches.....		23		15, 000		8.0	
Ship gear.....		162		38, 160		7.8	
Chemicals.....			8, 995		1, 640, 263		
Alcohol and products.....		1, 381		1, 236, 850		3.8	
Chemicals.....		189		9, 480		8.5	
Fertilizer (chemical).....		7, 289		381, 103		8.5	
Soap.....		136		12, 630		24.0	
Unclassified: General mer- chandise.....		1, 923	1, 923	384, 600	384, 600	3.0	
Total.....	18, 570	292, 769	311, 339		48, 169, 108		
SHIPMENTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair.....			2, 991		2, 679, 744		
Hides.....		2, 972		2, 674, 800		8.5	
Tallow.....		19		4, 944		5.0	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTRAPORT— continued.							
Vegetable food products, oilseeds, expressed oils, and beverages.			38,294		\$5,767,765	Miles.	Cents.
Fruits.		1,834		\$238,958		3.8	
Vegetables.		131		8,755		5.0	
Flour.		896		128,030		5.0	
Grain.		4,520		385,727		5.5	
Sugar.		476		76,177		5.0	
Cottonseed oil.		150		32,800		5.0	
Cocoa beans.		200		60,000		5.0	18.0
Coffee.		6,777		2,332,920		3.5	
Copra.		87		10,400		18.0	
Flaxseed.		2,807		451,048		6.0	
Miscellaneous foods.		20,386		2,038,600		5.0	40.0
Miscellaneous oils.		30		4,350		5.0	
Textiles.			7,569		3,906,467		
Cotton (raw).		5,293		3,166,100		4.3	31.8
Burlap.		977		249,135		2.5	
Fibers.		99		11,232		5.0	
Hemp.		1,200		489,000		5.0	40.0
Wood and paper.			570		3,750		
Lumber and timber (sawed).		150		3,000		5.0	
Cord wood.		420		750		5.0	
Nonmetallic minerals.			3,784		48,000		
Marble.		424		17,000		8.8	
Coal.	3,360			31,000		5.0	
Ores, metals, and manufac- tures, except machinery and vehicles.			503		109,000		
Copper ore.	209			20,900		5.0	
Copper (ingot).		275		82,500		5.0	
Structural steel.		16		5,000		5.0	
Drums (steel).		3		600		5.0	
Machinery and vehicles.			792		225,095		
Machinery.		473		140,970		1.5	
Ship's gear.		319		84,125		7.0	
Chemicals.			1,367		75,345		
Nitrate of soda.		175		10,500		6.0	
Fertilizer (chemical).		1,192		64,845		14.5	
Unclassified: General mer- chandise.		5,454	5,454	539,360	539,360	4.4	18.1
Total.	3,569	57,755	61,324		13,354,526		
RECEIPTS, INTERNAL.							
Vegetable food products, oil- seeds, expressed oils, and beverages: Sugar.		5,414	5,414	1,624,200	1,624,200	18.0	
Ores, metals, and manufac- tures, except machinery and vehicles.			2,320		386,235		
Copper manufactures.		1,172		351,600		21.0	
Iron (pig and scrap).	1,148			34,635		446.0	0.7
Total.	1,148	6,586	7,734	2,010,435			
SHIPMENTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages: Sugar.		64,654	64,654	12,930,800	12,930,800	18.0	
Textiles: Burlap.		90	90	25,950	25,950	18.0	11.1
Total.		64,744	64,744		12,956,750		
LOCAL.							
Textiles: Cotton (raw).		443	443	265,800	265,800	0.5	
Machinery and vehicles.			87		39,500		
Machinery.		63		35,500		.5	
Ship's gear.		24		4,000		.5	
Total.		530	530		305,300		
Total receipts and ship- ments.	265,719	425,687	691,406		77,143,669		

Cargoes in transit:

Classes and commodities.	Amount in short tons.	Value.	Classes and commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair:			Nonmetallic minerals—Continued.		
Manure.....	30,000	\$60,000	Lubricating oil.....	14,797	\$138,066
Dead animals.....	384	5,222	Gasoline.....	299,210	45,909,180
Tankage.....	373	18,555	Kerosene.....	106,360	7,758,292
Vegetable food products, oilseeds, expressed oils, and beverages:			Other petroleum products.		
Fruits.....	554	75,919	Sulphur.....	84	15,750
Vegetables.....	263	17,510	Grease (petroleum)...	28,788	578,564
Grain.....	4,879	279,842	Naphtha.....	4,732	298,546
Sugar.....	476	76,177	Plaster material.....	3	440
Molasses.....	8,677	664,160	Pumice stone.....	3,000	50,000
Other vegetable products, except fibers and wood:			Wax (petroleum).....	2,161	43,275
Tobacco.....	191	190,722	Ores, metals, and manufactures, except machinery and vehicles:	4,973	248,885
Turpentine.....	1,278	77,550	Copper ore.....	2,866	143,300
Rosin.....	150	19,353	Copper (sheet, bar, etc.).....	9,784	2,935,200
Textiles:			Copper (ingot).....	4,101	1,230,300
Cotton (raw).....	210	126,000	Steel manufactures...	58	25,169
Bags (empty).....	39	1,973	Barrels and drums (steel).....	7,537	2,574,344
Wood and paper:			Machinery and vehicles:		
Lumber and timber..	3,000	120,000	Engines and machinery.....	2,069	536,905
Laths.....	95	10,842	Automobiles.....	12,500	18,750,000
Wood pulp.....	7,161	601,524	Ship's gear.....	679	69,050
Cork wood.....	127	7,600	Chemicals:		
Rattan.....	50	14,000	Chemical.....	1,138	117,002
Nonmetallic minerals:			Coal tar.....	48,184	530,067
Marble and stone....	9,043	168,356	Fertilizer (chemical)..	345	16,215
Building stone.....	1,198	12,250	Paint.....	459	138,859
Lime.....	1,500	45,651	Unclassified:		
Gravel.....	20,662	30,376	General merchandise..	4,538	512,316
White sand.....	13,262	20,100	Garbage.....	140,874	No value.
Sand.....	150,227	156,955	Total.....	994,000	85,746,090
Riprap.....	560	800			
Salt.....	6,975	287,500			
Ashes.....	32,983	5,828			
Cellar dirt.....	450	1,900			

Cargoes in transit—Continued.
SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	2,356	\$2,044,600	13,420	\$1,473,480	.....	.....	5,419	\$3,538,546	21,195	\$10,054,626
Vegetable food products, oilseeds, ex- tracted oils, and beverages.....	442,925	92,447,288	115,607	18,797,355	3,303	\$837,030	156,510	24,753,701	718,345	136,335,374
Other vegetable products, except fibers and wood.....	20,953	5,999,295	1,277	769,200	.....	.....	27,286	5,457,133	49,516	12,215,628
Textiles.....	7,822	3,430,860	45,731	18,919,355	.....	.....	18,793	9,578,917	72,346	31,927,132
Wood and paper.....	7,125	515,794	9,967	491,475	.....	.....	8,006	485,287	26,298	1,503,086
Nonmetallic minerals.....	710	11,960	152,260	6,153,666	1,296	10,520	184,649	11,630,624	337,619	17,798,250
Ores, metals, and manufactures of, except machinery and vehicles.....	36,652	6,185,640	162,942	19,522,035	.....	.....	14,248	3,178,352	213,942	28,896,027
Machinery and vehicles.....	55,063	3,401,206	75,748	19,162,145	.....	.....	13,021	15,537,991	88,769	34,700,138
Chemicals.....	339,517	101,855,100	29,899	2,512,456	.....	.....	10,362	1,715,608	95,354	7,629,270
Unclassified.....	.....	.....	791,078	287,351,750	241,134	.....	7,377	923,960	1,379,106	340,130,810
Total.....	913,153	215,888,733	1,397,829	398,152,917	245,735	347,550	445,671	76,796,119	3,002,388	621,178,319
Car ferry.....	.....	.....	.....	.....	.....	.....	.....	.....	Short tons.	Value.
Cargoes in transit.....	.....	.....	.....	.....	.....	.....	.....	.....	38,475	\$11,542,500
	.....	.....	.....	.....	.....	.....	.....	.....	994,800	85,746,090

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Amer-ican.	For-ign.	Arriv-als.	Depart-ures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers.....	213	112	1,569	1,569	87	10,000	7	29
Ferryboats.....	13		70,885	70,885	562	873	12	17
Towboats.....	150		1,028	1,028	15	189	4	15
Sailing vessels.....	11	1	14	14	43	296	4	15
Canal boats, lighters, barges, etc..	437		1,841	1,841	75	1,000	6	18
Car floats.....	18		154	154	1,200	1,600	4	7
Unregistered: Canal boats, lighters, barges, etc.....	19		62	62	250	1,000	6	14

Passengers carried, 8,137,928.

KILL VAN KULL, N. Y. AND N. J.¹*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.
1919.....	46,439,229	\$1,230,631,425	1,156,260
1920.....	32,740,957	1,355,465,183	1,126,962

¹ Not under improvement by the United States.

The decrease in tonnage for the year 1920 is due mainly to the difference in the amount of coal reported. It is believed that the amount of coal reported for 1919 was erroneous.

[Navigation season, continuous.]

Freight traffic.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com-modities.	By classes.	By com-modities.	By classes.
IMPORTS.				
Wood and paper.....		940		\$40,903
Lumber and timber (sawed).....	866		\$34,624	
Lath.....	74		6,279	
Nonmetallic minerals.....		2,999,576		193,875,541
Naphtha.....	127,699		8,853,819	
Other petroleum products.....	35,122		1,862,797	
Crude oil.....	2,686,405		181,750,575	
Chalk.....	1,680		8,500	
Gypsum.....	148,600		1,399,850	
Total.....		3,000,516		193,916,444
EXPORTS.				
Vegetable food products, oilseeds, expressed oils, and beverages: Miscellaneous foodstuffs.....	500	500	185,000	185,000
Nonmetallic minerals.....		860,508		65,306,910
Gasoline.....	329,760		32,975,992	
Kerosene.....	325,179		22,160,373	
Other petroleum products.....	58,509		1,248,198	
Fuel oil.....	140,861		8,263,866	
Varolene.....	215		17,193	
Wax (petroleum).....	5,964		640,288	

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Ores, metals, and manufactures of, except machinery and vehicles.....		2, 175		\$570, 050
Structural steel.....	1, 175		\$177, 550	
Other metal manufactures.....	500		375, 000	
Pipe (wrought iron).....	500		17, 500	
Unclassified: General merchandise.....	3, 674	3, 674	1, 102, 200	1, 102, 200
Total.....		866, 857		67, 163, 160
Total imports and exports.....		3, 867, 373		261, 079, 604

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and paper.....			9, 569		\$179, 578	Miles.	Cents.
Piles and logs.....		5, 712		\$125, 664		329.0	
Shooks.....		3, 857		53, 914		2, 011.0	
Nonmetallic minerals.....			1, 403, 396		74, 396, 865		
Gravel.....	56, 078			83, 078		39.0	
Sand.....	142, 642			149, 468		39.0	
Coal.....	1, 528			13, 650		329.0	0.9
Gasoline.....		26, 877		2, 687, 747		2, 261.0	
Kerosene.....		101, 235		6, 899, 010		2, 261.0	
Other petroleum prod- ucts.....	95, 479			2, 124, 285		2, 261.0	
Crude oil.....	882, 575			61, 191, 899		2, 261.0	
Gas oil.....	96, 982			1, 247, 728		180.0	
Machinery and vehicles: Machinery.....		65	65	2, 000	2, 000	39.0	
Total.....	1, 275, 284	137, 746	1, 413, 030		74, 578, 443		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals.....			649, 670		40, 146, 671		
Coal.....	80, 191			644, 391		118.0	1.9
Ashes.....	4, 399			No value.		21.3	
Oil (lubricating).....	9, 121	2, 329		682, 996		65.0	
Gasoline.....	32, 116	115, 630		13, 972, 833		65.0	
Kerosene.....	52, 895	42, 262		6, 650, 278		65.0	
Other petroleum prod- ucts.....	16, 124			530, 896		65.0	
Fuel oil.....		291, 812		17, 596, 386		2, 261.0	
Gas oil.....		1, 702		40, 804		180.0	
Plaster.....		1, 079		25, 276		153.0	
Plaster boards.....		10		2, 811		30.0	
Unclassified: Garbage.....	68, 000		68, 000			21.3	
Total.....	262, 846	454, 824	717, 670		40, 146, 671		
RECEIPTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair: Tallow.....		1, 395	1, 395	376, 650	376, 650	8.0	
Vegetable food products, oil- seeds, expressed oils, and beverages.....			84, 380		12, 351, 639		
Flour.....		8, 705		827, 575		8.0	
Grain.....	186			15, 000		10.0	
Corn sirup.....		221		26, 550		10.0	
Miscellaneous food.....		74		14, 400		8.0	
Linseed oil.....		2, 822		1, 128, 922		10.0	
Linseed.....	72, 372			10, 338, 792		6.0	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—CON.						<i>Miles.</i>	<i>Cents.</i>
Wood and paper.....			31,837		\$3,215,157		
Lumber and timber (sawed).....	2,252			\$71,820		7.5	10.6
Piles and logs.....		2,780		31,400		18.0	
Ties.....		2,850		42,600		9.5	
Barrels (empty).....		22,881		3,060,160		7.3	
Paper.....		20		2,906		8.0	50.0
Shooks.....		1,054		16,271		7.0	
Nonmetallic minerals.....			1,036,677		43,681,864		
Asphalt.....		681		19,970		5.0	
Brick (building).....	734			6,559		21.0	
Brick (fire).....		1,165		37,200		17.3	
Marble.....		70		4,500		11.5	
Cement.....		200		3,500		10.0	
Sand.....	708			600		6.8	
Riprap.....	900			2,249		10.0	
Salt.....		1,135		11,355		10.0	
Coal.....	153,537			1,381,833		10.8	
Ashes.....	62,697			9,407		8.0	
Oil (lubricating).....	1,216	87,315		5,863,857		5.0	
Gasoline.....		83,912		8,394,581		6.0	
Kerosene.....		16,205		1,114,263		7.6	
Other petroleum products.....	343,936	97,537		15,990,513		5.0	
Chalk.....	28,000			182,000		10.0	
Sulphur.....	50,149			1,002,980		6.0	6.6
Grease (petroleum).....		194		9,686		8.9	
Fuel oil.....	3,488			204,653		8.7	
Wax (petroleum).....		30,736		1,582,403		8.9	
Naphtha.....		71,340		7,847,383		8.0	
Limestone dust.....	286			1,716		10.0	
Fire clay.....	36			360		21.0	
Fuller's earth.....	60			1,800		5.5	
Plaster.....		440		8,496		17.1	
Ores, metals, and manufactures of, except machinery and vehicles.....			7,172		1,281,931		
Copper (sheet, bar, etc.).....		357		143,008		5.0	40.0
Copper (ingots).....		200		66,400		9.5	
Iron (sheet, bar, etc.).....		140		11,900		8.0	
Steel manufactures.....		145		53,018		8.0	
Lead (sheet, bar, etc.).....		4,422		706,279		13.7	
Lead manufactures.....		31		12,400		8.0	
Other metals (sheet, bars, etc.).....		1,877		283,926		7.6	
Machinery and vehicles.....			751		123,139		
Machinery.....		620		96,960		6.5	
Ship gear.....		131		26,189		8.0	
Chemicals.....			135,125		4,472,914		
Chemicals.....		92,357		4,215,159		7.9	
Coal tar.....	3,279			65,579		5.0	
Fertilizer (chemical).....		1,262		68,663		8.4	
Paints.....		38,227		123,523		10.4	
Unclassified: General merchandise.....		118,337	118,337	34,926,060	34,926,060	10.4	
Total.....	723,836	691,838	1,415,674		100,429,344		
SHIPMENTS, INTRAPORT.							
Animals and animal products, except wool and hair: Tallow.....		1,627	1,627	444,200	444,200	6.5	
Vegetable food products, oil-seeds, expressed oils, and beverages.....			56,203		13,795,484		
Flour.....		28,969		3,425,577		8.0	
Grain.....	1,050			139,457		8.0	
Coconut oil.....		1,103		298,580		5.0	
Miscellaneous food.....		218		33,800		8.0	
Sirup (corn).....		110		6,990		5.0	
Linseed oil.....		24,733		9,891,090		8.0	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS INTRAPORT—CON.							
Other vegetable products, except fiber and wood:						Miles.	Cents.
Pitch.....		50	50	\$1,567	\$1,567	7.6	
Textiles: Bags and bagging.....		37	37	9,435	9,435	8.0	
Wood and paper.....			14,222		2,386,024		
Lumber and timber (sawed).....	2,080			77,673		6.2	6.4
Barrels (empty).....		12,142		2,308,351		7.3	
Nonmetallic minerals.....			3,497,746		193,591,960		
Asphalt.....	1,999	13,737		256,632		11.9	
Building stone.....		450		9,450		10.9	9.1
Cement.....		886		18,083		17.7	
Lime.....		1,401		44,966		10.0	
Coal.....	276,164			2,482,312		12.2	8.2
Oil (lubricating).....	3,621	229,132		17,263,309		9.0	
Gasoline.....		369,685		33,747,166		8.2	
Kerosene.....		375,482		24,999,870		9.0	
Naphtha.....		1,361		75,095		12.8	
Other petroleum products.....	183,584	112,327		16,906,530		9.6	
Whiting.....	21,968			604,813		13.8	
Sulphur.....	16,723			846,150		3.6	55.5
Grease (petroleum).....		2,721		271,562		2.0	
Crude oil.....		9,407		686,906		8.0	
Plaster.....		84,357		1,589,302		17.7	
Plaster boards.....		88		2,709		17.7	
Plaster Paris.....		4,847		113,002		8.0	
Fuel oil.....		1,312,136		77,257,801		9.0	
Wax (petroleum).....		74,086		5,886,812		10.3	
Gas oil.....	418,470			10,182,259		8.9	
Varnolene.....		668		53,400		8.0	
Naphtha.....		2,526		280,851		12.8	
Ores, metals, and manufactures of, except machinery and vehicles.....			46,976		12,742,127		
Copper ore.....	8,869			1,958,557		11.1	
Copper (sheet, bar, etc.).....		35		32,900		10.0	
Copper manufactures.....		6,835		2,186,951		15.2	26.3
Steel (sheet, bar, etc.).....		6,492		588,031		6.6	12.1
Steel manufactures.....		230		92,000		7.0	
Lead (sheet, bars, etc.).....		104		17,100		8.0	
Other metals (sheet, bar, etc.).....		20,006		5,237,086		9.0	
Other metal manufactures.....		3,867		2,568,332		9.4	5.3
Hardware.....		538		61,170		6.0	
Machinery and vehicles.....			9,578		1,942,804		
Machinery.....		9,381		1,394,750		6.5	
Ship gear.....		197		48,054		4.8	
Chemicals.....			304,830		14,522,973		
Chemicals.....		302,475		14,513,263		7.7	
Paints.....		2,355		9,710		7.7	
Unclassified: General merchandise.....		321,296	321,296	61,267,548	61,267,548	9.0	
Total.....	934,548	3,318,017	4,252,565		300,704,122		
RECEIPTS, INTERNAL.							
Vegetable food products, oil-seeds, expressed oils, and beverages: Sugar.....		6,440	6,440	2,811,696	2,811,696	23.3	
Wood and paper: Barrels, (empty).....		228	228	45,025	45,025	23.3	
Nonmetallic minerals.....			238,354		8,589,664		
Brick (building).....	3,748			26,643		124.0	
Lime.....		87		2,777		38.0	
Gravel.....	24,419			36,176		47.0	
Crushed stone.....	95,435			155,174		47.0	
Clay.....	2,688			47,190		66.0	
Molding sand.....	5,845			26,413		96.0	
Lubricating oil.....	99,567			7,965,332		98.0	
Gasoline.....	3,789			284,200		98.0	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL—CON.							
Nonmetallic minerals—Con.						Miles.	Cents.
Kerosene.....		587		\$40,016		98.0	
Fuel oil.....	1,624			4,332		98.0	
Carbonate of lime.....	565			1,411		38.0	
Total.....	237,680	7,342	245,022		\$11,446,385		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals.....			33,519		1,406,095		
Lime.....		60		3,700		23.3	
Coal.....	3,250			29,250		23.3	
Lubricating oil.....	358	6,650		374,701		23.3	
Gasoline.....		5,629		412,790		23.3	
Kerosene.....		702		31,211		23.3	
Other petroleum prod- ucts.....	8,248	1,233		387,868		23.3	
Fuel oil.....		1,681		44,268		26.0	
Gas oil.....	5,591			120,938		33.0	
Plaster.....		108		1,369		23.3	
Ores, metals, and manufac- tures of, except machinery and vehicles: Copper (sheet, bar, etc.).....		357	357	143,018	143,018	23.3	
Total.....	17,447	16,429	33,876		1,549,113		
LOCAL.							
Other vegetable products, except fibers and wood: Pitch.....		1,501	1,501	52,699	52,699	1.0	
Wood and paper.....			5,040		886,144		
Barrels (empty).....		4,981		885,318		1.0	
Shooks.....		59		826		1.5	
Nonmetallic minerals.....			312,723		19,657,043		
Coal.....	181			1,296		1.5	
Lubricating oil.....		615		43,862		1.0	
Gasoline.....		1,683		238,570		1.0	
Kerosene.....		43,630		3,344,993		1.0	
Other petroleum prod- ucts.....	53,229	429		3,586,897		1.0	
Fuel oil.....		206,582		12,133,984		1.0	
Wax (petroleum).....		5,933		298,915		1.0	
Plaster.....		441		8,526		1.5	
Ores, metals, and manufac- tures of, except machin- ery and vehicles: Other metals (sheet, bar, etc.).....		386	386	52,373	52,373	1.0	
Machinery and vehicles: Ship gear.....		55	55	22,750	22,750	2.0	
Chemicals.....			14,257		706,430		
Chemicals.....		4,717		543,543		1.0	
Coal tar.....	9,540			162,887		1.0	
Unclassified: General mer- chandise.....		35,232	35,232	10,569,600	10,569,600	1.0	
Total.....	62,950	306,244	369,194		31,947,039		
Total receipts and shipments.....	3,514,591	4,932,440	8,447,031		560,801,117		

Cargoes in transit.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair:			Nonmetallic minerals—Continued.		
Leather goods.....	800	\$430,000	Salt.....	241	\$2,180
Hides.....	7,631	6,833,800	Glassware.....	330	115,500
Leather.....	141	155,140	Clay manufactures.....	4,874	142,421
Manure.....	2,000	10,000	Coal.....	14,480,375	130,323,366
Tallow.....	6,418	1,662,396	Coke.....	220,469	2,324,180
Tankage.....	5,010	274,770	Ashes.....	98,968	9,089
Fish oil.....	1,729	431,000	Clay.....	16,085	81,351
Offal.....	314	31,408	Molding sand.....	91,959	417,503
Vegetable food products, oilseeds, expressed oils, and beverages:			Lubricating oil.....	70,023	6,412,946
Fruits.....	149	17,874	Gasoline.....	279,992	27,136,792
Flour.....	3,616	531,980	Kerosene.....	54,738	3,273,004
Grain.....	6,372	305,844	Other petroleum products.....	2,047,702	106,416,626
Straw.....	7	272	Whiting.....	280	8,030
Sugar.....	289	90,200	Sulphur.....	51,026	998,292
Beer and ale.....	147	5,880	Grease (petroleum).....	1,655	195,753
Coffee.....	36	12,600	Plaster.....	1,643	49,408
Copra cake.....	796	95,480	Plaster board.....	181	5,698
Coconut oil.....	1,216	441,884	Fuel oil.....	72,448	3,551,284
Cottonseed oil.....	7,507	1,645,359	Gas oil.....	55,550	1,327,817
Palm oil.....	307	78,325	Tar oil.....	10,838	58,624
Miscellaneous food-stuffs.....	591	105,100	Naphtha.....	28,111	3,097,677
Miscellaneous oil.....	852	85,865	Acetate of lime.....	24	1,685
Linseed oil.....	1,915	783,000	Gypsum.....	6,946	66,302
Other vegetable products, except fibers and wood:			Wax (petroleum).....	2,992	215,762
Rubber goods.....	458	367,629	Ores, metals and manufactures of, except machinery and vehicles:		
Dyewood.....	350	24,500	Copper ore.....	39	4,880
Turpentine.....	346	116,200	Copper (sheet, bar, etc.).....	12,223	4,776,484
Pitch.....	402	34,438	Copper (ingots).....	2,626	898,500
Rosin oil.....	284	52,414	Copper manufactures.....	44,001	15,576,323
Rosin.....	5,264	641,942	Iron-ore cinders.....	54,005	121,981
Crude rubber.....	2,236	370,800	Iron ore.....	10,823	216,466
Textile:			Iron (pig and scrap).....	11,322	335,415
Dry goods.....	567	375,806	Iron (sheet, bar, etc.).....	142	11,536
Clothing and woolens.....	5	2,500	Cast-iron manufactures.....	347	74,181
Cotton goods.....	2,217	921,406	Steel (ingots, sheet, bars).....	10,768	868,434
Rope.....	31	13,496	Steel manufactures.....	9,832	4,227,000
Wool (raw).....	33	32,340	Structural steel.....	21,243	2,122,300
Cotton (raw).....	34,935	33,063,546	Wire (iron or steel).....	956	322,393
Bags and bagging.....	444	35,285	Lead (sheet, bars, ingots).....	8,536	1,069,938
Burlap.....	12,780	3,250,706	Lead manufactures.....	825	202,727
Fibers.....	110	35,839	Other metals (sheet, bars, etc.).....	2,348	498,422
Felt.....	8,422	819,828	Other metal manufactures.....	1,819	1,312,499
Rags.....	1,276	96,946	Pipe (wrought iron).....	906	88,495
Linoleum.....	8,000	5,330,000	Pipe (cast iron).....	799	70,199
Hemp.....	699	382,878	Pipe (steel).....	1,370	206,000
Wood and paper:			Hardware.....	2,561	659,798
Paving block (wood).....	35	840	Ore (barytes).....	2,500	40,000
Lumber and timber (sawed).....	27,328	1,163,624	Pig tin.....	124	109,298
Piles and logs.....	9,345	83,540	Chrome ore.....	11,127	445,000
Ties.....	23,978	391,967	Machinery and vehicles:		
Wood pulp.....	1,417	97,592	Agricultural implements.....	31	5,425
Barrels (empty).....	4,498	777,109	Machinery.....	8,432	1,941,408
Cork.....	8,971	717,680	Automobiles.....	4,889	2,561,100
Wood pulp board.....	45	3,674	Ship's gear.....	300	65,900
Paper.....	2,465	383,789	Sewing machines.....	14,718	4,387,705
Staves.....	566	18,834	Chemicals:		
Nonmetallic minerals:			Iron oxide.....	7,385	126,930
Asphalt.....	114,246	2,754,134	Alcohol and products.....	64	73,678
Brick (building).....	73,028	778,439	Chemicals.....	113,460	11,771,149
Brick (hollow tile).....	80,619	1,386,923	Coal tar.....	30,593	331,203
Brick (fire).....	10,410	310,599	Fertilizer (chemicals).....	185,491	12,198,320
Marble.....	1,065	30,950	Cresote oil.....	3,226	157,362
Building stone.....	4,592	69,269	Paints.....	6,492	2,620,388
Cement.....	13,383	231,036	Soap.....	60,870	16,795,618
Lime.....	16	420	Unclassified:		
Gravel.....	95,832	145,168	Ice.....	17,792	53,376
Sand.....	703,774	746,080	Pianos.....	48	18,000
Sand (white).....	1,632	2,558	General merchandise.....	223,209	74,244,189
Sand (fire).....	142	610	Car ferry: General merchandise.....	3,082	924,600
Crushed stone.....	542,736	798,483	Grand total.....	20,381,209	519,980,802
Riprap.....	1,849	3,677			
Paving block (asphalt).....	15,812	95,041			
Paving block (stone).....	28,110	275,385			

Cargoes in transit—Continued.
SUMMARY.

Classes of commodities.	Foreign.			Domestic.				Total.		
	Imports.		Exports.		Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....							3, 022	\$320, 850	3, 022	\$320, 850
Vegetable food products, oilseeds, expressed oils, and beverages.....							147, 023	28, 958, 819	147, 023	28, 958, 819
Other vegetable products, except fibers and wood.....			500	\$185, 000						
Textiles.....							1, 551	54, 266	1, 551	54, 266
Wood and paper.....	940	\$40, 903			9, 599	\$179, 578	51, 327	6, 532, 350	9, 435	6, 752, 831
Nonmetallic minerals.....	2, 999, 578	193, 875, 541	860, 508	65, 305, 910	2, 053, 066	114, 543, 536	5, 119, 019	266, 926, 608	11, 032, 169	640, 651, 613
Ores, metals, and manufactures of, except machinery and vehicles.....			2, 175	570, 050			54, 891	14, 219, 449	57, 066	14, 789, 499
Machinery and vehicles.....					65	2, 000	10, 384	2, 088, 693	10, 449	2, 090, 693
Chemicals.....							454, 212	19, 702, 317	454, 212	19, 702, 317
Unclassified.....			3, 674	1, 102, 200	68, 000		474, 865	106, 763, 198	546, 539	107, 865, 398
Total.....	3, 000, 516	193, 916, 444	866, 857	67, 163, 160	2, 139, 700	114, 725, 114	6, 316, 331	446, 076, 003	12, 314, 404	821, 880, 721
Commodities.	Commodities.						Amount in short tons.		Value.	
Cargoes in transit.....									20, 381, 209	\$519, 980, 862
Car ferry.....									45, 344	13, 603, 000

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Amer-ican.	For-eign.	Arriv-als.	Depart-ures.	Least.	Great-est.	Least.	Great-est.
Registered:								
Steamers.....	673	91	4,327	4,327	42	16,398	3	30
Towboats.....	240		19,488	19,488	5	418	6	18
Sailing vessels.....	48		108	108	83	1,601	4	18
Canal boats, lighters, barges, etc..	3,679		37,347	37,347	53	1,700	3	17
Miscellaneous craft.....	28		186	186	50	500	2	10
Ferryboats.....	2		37,538	37,538	339	354	10	12
Car floats.....	24		284	284	1,200	1,600	4	6
Unregistered, canal boats, lighters, barges, etc.	268		1,630	1,630	400	1,200	4	15

Passengers carried, 1,126,982.

TARRYTOWN HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1905.....	71,201	\$1,830,092	(1)	1914.....	79,821	\$1,725,177	131,586
1906.....	79,714	384,979	(1)	1915.....	102,251	1,637,341	122,639
1907.....	86,076	3,641,915	(1)	1916.....	97,111	3,341,005	116,982
1908.....	71,325	3,648,856	(1)	1917.....	86,705	376,389	94,709
1910.....	60,800	321,900	(1)	1918.....	58,755	513,863	99,427
1911.....	207,145	4,520,217	68,512	1919.....	102,216	716,857	101,809
1912.....	176,243	4,556,891	3,500	1920.....	73,055	771,141	133,781
1913.....	138,163	2,328,623	105,000				

1 No statistics available.

[Navigation season, Apr. 13 to Dec. 15.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, UPBOUND.						<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals			38,148		\$618,077		
Brick (hollow tile).....		206		\$4,742		49.0	
Building stone.....		900		17,100		30.0	
Sand.....	4,334			5,581		67.6	1.0
Coal.....	23,748			201,496		34.6	2.1
Coke.....	300			1,292		28.0	
Gas oil.....	4,576			100,243		31.9	
Plaster.....		502		7,098		29.0	
Plaster boards.....		108		1,369		31.0	
Other petroleum products.....	3,474			279,156		32.0	
Total	36,432	1,716	38,148		618,077		
RECEIPTS, DOWNBOUND.							
Nonmetallic minerals			34,907		153,064		
Brick (building).....	666			8,333		66.0	2.1
Cement.....		964		16,136		88.0	
Crushed stone.....	21,853			28,700		14.0	2.6
Coal.....	11,424			99,890		63.0	1.0
Total	33,943	964	34,907		153,064		
Total receipts (up and down)	70,375	2,680	73,055		771,141		

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Nonmetallic minerals.....	73, 065	\$771, 141

Vessels built and launched.

Class of vessels.	Number of vessels built.	Tonnage.	Value.
Barges.....	5	22, 000	\$150, 000

Vessel classification.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Ferryboats.....	2	6, 216	6, 216	304	521	6	10
Towboats.....	21	199	199	16	62	7	10
Canal boats, lighters, barges, etc.....	89	175	175	120	790	7	11
Unregistered, canal boats, lighters, barges, etc.	15	24	24	500	800	8	10

Passengers carried, 133,781.

PEEKSKILL HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894.....	522, 955	(1)	(1)	1908.....	226, 533	\$4, 964, 046. 00	(1)
1895.....	546, 000	(1)	(1)	1909.....	272, 102	8, 131, 737. 00	(1)
1897.....	404, 300	(1)	(1)	1910.....	291, 640	9, 270, 300. 00	(1)
1898.....	734, 950	(1)	(1)	1911.....	290, 540	9, 331, 375. 00	(1)
1899.....	1, 092, 455	(1)	(1)	1913.....	308, 173	9, 880, 198. 00	(1)
1900.....	1, 800, 750	(1)	(1)	1914.....	127, 752	2, 402, 275. 00	8, 020
1902.....	22, 815	(1)	(1)	1915.....	152, 854	3, 777, 619. 00	22, 417
1903.....	218, 873	(1)	(1)	1916.....	80, 561	4, 271, 149. 00	37, 391
1904.....	81, 265	\$3, 751, 985. 61	(1)	1917.....	89, 920	8, 339, 097. 00	(2)
1905.....	74, 546	1, 134, 748. 00	(1)	1918.....	104, 493	18, 773, 233. 00	(2)
1906.....	88, 550	659, 864. 00	(1)	1919.....	91, 044	12, 648, 367. 00	(9) 5, 394
1907.....	107, 963	733, 766. 00	(1)	1920.....	93, 767	9, 549, 954. 00	(4)

¹ No statistics available.² Due to the discontinuance of 2 passenger lines, no passengers were carried during the years 1917 and 1918.³ Passenger traffic in the harbor during 1919 consisted solely of excursionists, outbound and inbound.⁴ Excursion steamers did not use Peekskill Harbor during 1920 on account of insufficient depth of water, due to shoaling in the channel.

[Navigation season, Apr. 13 to Dec. 15.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, UP BOUND.							
Animals and animal products, except wool and hair.			197		\$46,620	Miles.	Cents.
Fish.		145		\$23,200		43	9.3
Oysters and clams.		6		220		43	9.3
Horses.		5		2,000		43	7.0
Poultry.		12		9,600		43	11.2
Lard.		29		11,600		43	7.4
Vegetable food products, oil seeds, expressed oils, and beverages.			1,847		191,478		
Vegetables.		572		38,170		43	9.3
Flour.		765		78,090		43	7.4
Grain.		176		8,448		43	7.4
Sugar.		334		66,800		43	7.4
Other vegetable products, except fibers and wood.			58		19,400		
Rubber goods.		4		3,200		43	11.2
Tobacco (unmanufactured).		54		16,200		43	11.2
Textiles.			617		352,820		
Clothing and woolens.		115		57,500		43	7.9
Cotton goods.		500		295,000		43	7.9
Rope.		2		320		43	7.4
Wood and paper: Lumber and timber (sawed)	8	2	10	391	391	43	5.4
Nonmetallic minerals.			40,061		309,754		
Cement.		4		70		43	5.6
Lime.		1		36		43	5.6
Sand (fine).	141			610		66	
Crushed stone.	13,000			22,500		43	
Salt.		42		2,184		43	7.4
Glassware.		4		1,400		43	11.2
Coal.	24,176			229,456		40	1.8
Clay (fire).	862			4,991		66	
Other petroleum products.		410		27,362		43	7.0
Gas oil.	1,016			20,695		48	
White sand.	405			450		43	
Ores, metals, and manufactures of, except machinery and vehicles.			2,068		231,420		
Copper (sheets, bars, etc.).		146		43,800		43	4.6
Structural steel.		71		7,100		43	6.5
Steel (ingots, sheets, etc.).		315		25,200		43	6.5
Wire (iron and steel).		8		120		43	6.5
Pipe (cast iron).		1,487		148,700		43	6.5
Hardware.		16		4,000		43	7.4
Lead (sheet, bar, etc.).		25		2,500		43	6.5
Chemicals.		6	6	690	690	43	11.2
Unclassified.			110		19,500		
General merchandise.		106		18,000		43	
Pianos.		4		1,500		43	14.0
Total.	39,608	5,366	44,974		1,172,073		
RECEIPTS, DOWN BOUND.							
Nonmetallic minerals.			31,687		287,581		
Brick (building).	3,200			28,800		50	
Coal.	27,787			247,211		47	
Cement.		700		11,970		72	
Total.	30,987	700	31,687		287,981		

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, DOWN BOUND.							
Animals and animal products, except wool and hair.			134		\$25,830	Miles.	Cents.
Horses.....		2		\$750		43	7.0
Fats and tallow.....		132		25,080		43	7.4
Vegetable food products, oil seeds, expressed oils, and beverages.....			10,800		6,457,050		
Fruits.....		48		5,850		43	9.3
Yeast.....		10,752		6,451,200		43	4.6
Textiles: Dry goods.....		525	525	300,000	500,000	43	7.9
Wood and paper: Charcoal.....		12	12	60	60	43	6.5
Nonmetallic minerals: Brick (fire).....		183	183	4,160	4,160	43	5.6
Ores, metals, and manufactures of, except machinery and vehicles: Cast-iron manufactures.....		3,806	3,806	951,500	951,500	43	5.6
Unclassified: General merchandise.....		1,646	1,646	151,300	151,300	43	
Total.....		17,106	17,106		8,099,900		
Total receipts and shipments.....	70,595	23,172	93,767		9,549,954		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.	331	\$72,450
Vegetable food products, oil seeds, expressed oils, and beverages.	12,647	6,648,528
Other vegetable products, except fibers and wood.	58	19,400
Textiles.	1,142	852,820
Wood and paper.	22	451
Nonmetallic minerals.	71,931	601,895
Ores, metals, and manufactures of, except fibers and wood.	5,874	1,182,920
Chemicals.	6	680
Unclassified.	1,756	170,800
Total.	93,767	9,549,954

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.	2	235	235	160	320	7	9
Towboats.	6	177	177	35	49	7	8
Canal boats, lighters, barges, etc.	57	104	104	125	574	6	11
Unregistered, canal boats, lighters, barges, etc.	40	73	73	150	400	6	8

WAPPINGER CREEK, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1888.....	70,000	(1)	(1)	1912.....	46,235	\$6,521,788	(1)
1903.....	52,891	(1)	(1)	1913.....	49,854	10,228,820	21,787
1904.....	56,927	\$7,955,975	(1)	1914.....	52,350	11,406,277	23,284
1905.....	49,562	4,872,903	(1)	1915.....	43,315	5,259,423	21,763
1906.....	46,194	572,399	(1)	1916.....	46,050	7,977,280	18,281
1907.....	44,493	445,765	13,710	1917.....	135,574	10,364,409	15,656
1908.....	41,574	6,990,600	14,025	1918.....	65,716	4,074,742	15,612
1909.....	45,395	7,476,733	22,952	1919.....	28,001	31,127,374	7,905
1910.....	33,085	1,864,030	22,610	1920.....	32,767	10,340,545	8,638
1911.....	23,248	2,290,639	26,123				

1 No statistics available.

[Navigation season, Apr. 13 to Dec. 15.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, UP BOUND.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			112		\$14,925	Miles.	Cents.
Fruits.....		4		\$450		6	66.6
Vegetables.....		6		375		6	66.6
Flour.....		44		4,500		6	83.3
Grain.....		13		600		6	66.6
Sugar.....		45		9,000		6	66.6
Textiles: Dry goods.....		78	78	16,000	16,000	6	66.6
Nonmetallic minerals.....			5,654		12,172		
Salt.....		50		2,600		6	66.6
Brick (building).....		8		72		2	
Coal.....	196			1,500		62	2.6
Gravel.....	5,400			3,000		2	
Ores, metals, and manufac- tures of, except machin- ery and vehicles: Hard- ware.....		5	5	1,250	1,250	6	66.6
Unclassified: General mer- chandise.....		312	312	102,500	102,500	6	
Total.....	5,596	565	6,161		146,847		
RECEIPTS, DOWN BOUND.							
Nonmetallic minerals.....			20,631		194,544		
Sand.....	724			670		2	
Crushed stone.....	728			1,008		3	
Cement.....		3,000		52,500		51	
Coal.....	16,179			140,366		24	
Total.....	17,631	3,000	20,631		194,544		
SHIPMENTS, DOWN BOUND.							
Textiles: Clothing and woolen.....		60	60	15,000	15,000	6	66.6
LOCAL.							
Textiles: Cotton goods.....		3,375	3,375	9,896,700	9,896,700	2	
Wood and paper: Lumber and timber (sawed).....	2,527		2,527	86,588	86,588	2	
Ores, metals, and manufac- tures of, except machin- ery and vehicles: Cast- iron pipe.....		1	1	116	116	2	
Chemicals: Chemicals.....		12	12	750	750	2	
Total.....	2,527	3,388	5,915		9,984,154		
Total receipts and ship- ments.....	25,754	7,013	32,767		10,340,545		

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Vegetable food products, oil seeds, expressed oils, and beverages.....	112	\$14,925
Textiles.....	3,513	9,927,700
Wood and paper.....	2,527	86,588
Nonmetallic minerals.....	26,285	206,716
Ores, metals, and manufactures of, except machinery and vehicles.....	6	1,366
Chemicals.....	12	750
Unclassified.....	312	102,500
Total.....	32,767	10,340,545

Vessel classification.

Class.	Num- ber of vessels (Ameri- can).	Total.		Tonnage of vessels.		Draft (feet).	
		Arriv- als.	Depart- ures.	Least.	Great- est.	Least.	Great- est.
Registered:							
Steamers.....	1	400	400		49		6
Towboats.....	2	365	365	21	29	4	6
Canal boats, lighters, barges, etc.....	39	53	53	145	440	6	8
Unregistered: Canal boats, lighters, barges, etc.	7	312	312	50	189	4	6

Passengers carried, 8,638.

SAUGERTIES HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894.....	189,000	\$5,484,000	1908.....	114,000	\$2,070,500
1895.....	145,000	(¹)	1909.....	125,100	2,177,000
1896.....	120,300	(¹)	1910.....	69,546	2,649,750
1897.....	51,000	(¹)	1911.....	147,404	2,643,000
1898.....	58,368	(¹)	1912.....	81,624	2,029,274
1899.....	50,800	(¹)	1913.....	87,521	2,340,025
1900.....	76,673	(¹)	1914.....	149,440	2,317,490
1901.....	67,473	(¹)	1915.....	94,758	2,279,350
1902.....	66,500	(¹)	1916.....	86,626	2,210,326
1903.....	112,677	(¹)	1917.....	80,974	3,623,028
1904.....	113,200	18,832,195	1918.....	48,745	1,820,566
1905.....	81,600	1,598,000	1919.....	38,189	4,631,399
1906.....	83,300	1,606,200	1920.....	49,026	5,666,438
1907.....	95,400	1,873,000			

¹ No statistics available.

Carried 13,350 passengers in 1917, 10,628 in 1918, 15,383 in 1919, and 16,183 in 1920.

[Navigation season, Apr. 15, 1920, to Dec. 1, 1920.]

Freight traffic.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Wood and paper: Lumber.....	2,130	2,130	\$127,500	\$127,500

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS AND SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair.....			93		\$43,666
Oysters in shell.....		2		\$266	
Poultry.....		5		3,000	
Meat.....		14		8,400	
Fish.....		36		14,400	
Cattle.....		1		300	
Horses.....		32		12,800	
Leather.....		3		4,500	
Vegetable food products.....			1,950		346,114
Fruits.....		674		52,951	
Sugar.....		113		33,900	
Hay.....		181		5,430	
Grain.....		18		1,260	
Flour.....		23		2,760	
Vegetables.....		503		24,361	
Groceries.....		345		201,600	
Oil, lubricating.....		42		3,780	
Other petroleum products.....		7		372	
Candy.....		17		17,000	
Beverages.....		27		2,700	
Other vegetable products, except fibers and wood.....			532		84,145
Rubber goods.....		7		8,400	
Drugs and chemicals.....		323		24,225	
Tobacco.....		50		50,000	
Tar.....		152		1,520	
Textiles.....			621		160,900
Dry goods.....		100		50,000	
Rope.....		16		9,600	
Miscellaneous.....		505		101,000	
Wood and paper.....			11,882		4,022,133
Cordwood.....	625			6,250	
Lumber.....	119			8,603	
Wood.....	123			24,600	
Coated paper.....		10,913		3,921,680	
Blank books.....		102		61,000	
Nonmetallic minerals.....			30,924		454,240
Glassware.....		36		5,800	
Clay.....	10,021			231,240	
Marble.....	1			200	
Brick.....	700			7,000	
Building stone.....	1,500			15,000	
Crushed stone.....	2,166			30,000	
Coal.....	16,500			165,000	
Ores, metals, and manufactures of, except machinery and vehicles.....			429		106,320
Copper manufactures.....		23		9,200	
Iron (sheets, bars, etc.).....		44		2,420	
Steel manufactures.....		18		2,700	
Lead (sheets, bars, ingots).....		2		600	
Iron manufactures.....		34		10,200	
Other metals manufactures.....		33		13,200	
Pipe (cast-iron).....		28		8,400	
Hardware.....		213		42,600	
Nickel.....		34		17,000	
Machinery and vehicles.....			122		240,500
Engines and machinery.....		6		4,500	
Automobiles.....		116		236,000	
Chemicals.....			105		33,560
Alum.....		10		1,000	
Ammonia.....		2		160	
Coal tar.....		2		200	
Fertilizer, chemical.....		48		19,200	
Paint.....		24		9,200	
Alloy.....		19		3,800	
Unclassified: Household goods.....		238	238	47,600	47,600
Total.....	31,783	15,113	46,896		5,538,878

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Foreign.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			93	\$43,666	93	\$43,666
Vegetable food products.....			1,950	346,114	1,950	346,114
Other vegetable products, except fibers and wood.....			532	84,145	532	84,145
Textiles.....			621	160,600	621	160,600
Wood and paper.....	2,130	\$127,560	11,882	4,022,133	14,012	4,149,693
Nonmetallic.....			30,924	454,240	30,924	454,240
Ores, metals, and manufactures of, except machinery and vehicles.....			429	106,320	429	106,320
Machinery.....			122	240,500	122	240,500
Chemicals.....			105	33,560	105	33,560
Unclassified.....			238	47,600	238	47,600
Total.....	2,130	127,560	46,996	5,538,878	49,026	5,666,438

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Amer-ican.	For-eign.	Arriv-als.	Depart-ures.	Least.	Great-est.	Least.	Great-est.
Steamers.....	2		190	190	580	980	6	9
Tugs.....	3				23	29	6	6
Canal boats and barges.....	10	12	100	100	120	500	6	12

Passengers carried, 15,183.

RONDOUT HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895.....	2,070,500	(1)	1909.....	440,000	\$1,820,000
1896.....	2,333,050	(1)	1910.....	506,015	4,851,050
1897.....	2,330,000	(1)	1911.....	510,671	3,355,884
1898.....	1,885,000	(1)	1912.....	518,146	3,026,000
1900.....	1,885,000	(1)	1913.....	499,586	4,204,000
1901.....	1,485,000	(1)	1914.....	381,594	2,376,209
1902.....	1,285,000	(1)	1915.....	369,019	2,402,190
1903.....	1,280,000	(1)	1916.....	355,439	5,200,300
1904.....	1,469,000	\$41,065,000	1917.....	370,363	6,672,600
1905.....	1,325,000	46,112,500	1918.....	326,787	7,495,050
1906.....	998,524	5,640,900	1919.....	388,310	11,952,000
1907.....	1,255,000	5,025,000	1920.....	313,362	10,408,750
1908.....	138,400	2,075,000			

¹ No statistics available.

Passengers carried, 10,000 in 1917; 8,703 in 1918; 18,500 in 1919, and 19,254 in 1920.

Freight traffic.

[Navigation season, Apr. 15, 1920, to Dec. 1, 1920.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS AND SHIPMENTS.					
Wood and paper: Lumber.....	125		125	\$9,750	\$8,750
Nonmetallic minerals.....			256,687		2,345,000
Building stone.....	2,000			75,000	
Cement.....	4,687			20,000	
Coal.....	250,000			2,250,000	
Unclassified.....			56,550		8,055,000
Ice.....	30,000			90,000	
General merchandise.....		26,550		7,965,000	
Total.....	286,812	26,550	313,362		10,408,750

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Wood and paper.....	125	\$8,750
Nonmetallic minerals.....	256,687	2,345,000
Unclassified.....	56,550	8,055,000
Total.....	313,362	10,408,750

Vessel classification.

Class.	Num- ber of vessels, Ameri- can.	Total.		Tonnage of vessels.		Draft.	
		Arriv- als.	Depar- tures.	Least.	Great- est.	Least.	Great- est.
Steamers.....	5	697	697	455	1,169	<i>Ft. in.</i> 6 6	<i>Fed.</i> 14
Tugs.....	12	.....	.....	25	196	6 7	14
Barges and canal boats.....	1,000	1,127	1,127	150	1,200	6 0	14

Passengers carried, 19,254.

Vessels built and launched.

	Tons.	Value.
10 barges.....	58,825	\$966,689
1 dry dock.....	10,000	750,000
Total.....	68,825	1,716,689

HUDSON RIVER, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895.....	5,000,000	\$110,000,000	1908.....	2,945,921	\$120,421,651
1896.....	5,300,000	106,400,000	1909.....	3,254,423	237,214,824
1897.....	3,682,864	(¹)	1910.....	5,033,360	109,941,000
1898.....	4,046,895	(¹)	1911.....	4,241,478	92,100,313
1899.....	5,070,800	(¹)	1912.....	3,045,136	172,107,996
1900.....	4,810,927	(¹)	1913.....	3,300,000	172,525,000
1901.....	3,123,409	(¹)	1914.....	2,979,062	170,000,000
1902.....	3,673,097	(¹)	1915.....	3,211,739	59,197,000
1903.....	3,486,393	(¹)	1916.....	3,190,471	70,530,240
1904.....	3,513,545	150,893,030	1917.....	3,105,756	70,515,016
1905.....	3,310,628	66,866,160	1918.....	2,563,248	240,051,390
1906.....	3,325,360	75,664,747	1919.....	2,426,711	202,093,193
1907.....	2,881,168	66,853,731	1920.....	3,087,169	169,726,452

¹ No statistics available.

Cargoes in transit, 1920, short tons, 167,384; value, \$18,690,680.

Passengers carried, 815,031 in 1917, 537,673 in 1918, 609,699 in 1919, and 575,853 in 1920.

[Navigation season, Apr. 1, 1920, to Dec. 15, 1920.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Animals and animal products, except wool and hair.....			12,657		\$1,606,920
Animal products.....		48		\$7,200	
Fish.....		1,454		344,720	
Horses.....		152		152,000	
Butter and eggs.....		11,003		1,103,000	
Vegetable food products.....			192,735		20,167,085
Oats.....	1,184			59,200	
Onions.....	210			11,660	
Castor beans.....	336			42,000	
Potatoes.....		2,296		151,550	
Leather goods.....		454		681,000	
Candy.....		405		303,750	
Canned goods.....		10		4,000	
Fruit.....		9,052		633,540	
Vegetables.....		4,170		187,665	
Flour.....		14,339		1,890,000	
Sugar.....		20,506		6,151,800	
Agricultural products.....		2,525		252,500	
Beverages.....		302		60,400	
Hay.....		15,910		477,300	
Straw.....		978		19,500	
Rye.....	46,726			2,936,320	
Castor oil.....		200		20,000	
Linseed oil.....		448		224,000	
Palm olive oil.....		300		9,000	
Oil cake.....		850		51,000	
Cocoa.....		35		8,750	
Molasses.....	4,254			212,700	
Ivory nuts.....		250		12,500	
Shredded wheat.....		275		82,500	
Apples.....		210		9,000	
Wheat.....	58,100			5,357,000	
Barley.....	8,410			378,450	
Other vegetable products, except fiber and wood.....			2,941		1,661,750
Rubber goods.....		440		440,000	
Tobacco.....		1,049		1,049,000	
Resin.....		653		97,950	
Pitch.....		299		28,900	
Oil, essential.....		510		45,900	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
Textiles			13,542		\$13,633,865
Dry goods.....		435		\$870,000	
Cloth and woolsens.....		932		2,330,000	
Cotton goods.....		2,368		3,552,000	
Collars and shirts.....		1,150		4,600,000	
Textiles.....		1,856		1,300,000	
Burlap.....		11		825	
Rope.....		86		51,600	
Rags.....		5,674		340,440	
Twine.....		880		264,000	
Knit goods.....		150		325,000	
Wood and paper			30,741		2,079,134
Products of forest.....	641			19,250	
Stationery.....		23		2,780	
Paper stock.....		1,667		66,680	
Sawdust.....	857			17,140	
Barrels.....		282		14,100	
Beaver board.....		1,569		280,454	
Empty crates.....		10		200	
Paper and wood pulp.....	5,000			250,000	
Lumber.....	20,692			1,448,550	
Nonmetallic minerals			2,276,707		74,502,974
Brick.....	250,000			2,500,000	
Cement.....		281,250		4,500,000	
Gravel.....	16,200			24,299	
Crushed stone.....	144,452			288,902	
Coal.....	500,000			5,000,000	
Glassware.....		410		814,650	
Asphalt.....	1,517			39,520	
Fire brick.....	805			32,200	
Lime.....		35		1,050	
Salt.....	33,438			669,660	
Mica.....		29		5,800	
Asbestos.....		818		16,360	
Asphaltum.....	135			4,100	
Sulphur.....	29,512			737,900	
Machine oil.....		205		16,073	
Fuel oil.....	65			1,950	
Paving blocks.....	1,728			20,736	
Bottles.....		80		11,200	
Coke.....	1,679			26,864	
Gypsum.....	1,434			93,210	
Sand.....	29,947			59,894	
Clay.....	22,758			368,950	
Oil, lubricating.....		1,355		140,000	
Petroleum products.....	959,010			59,129,656	
Ores, metals, and manufactures of, except machinery and vehicles			207,541		8,127,616
Iron ore.....	133,955			803,736	
Hardware.....		464		92,800	
Iron sheet bar.....	1,393			139,300	
Cast-iron manufactures.....	2,185			327,750	
Steel manufactures.....	693			138,600	
Lead, sheet bar.....	16			2,560	
Other metals, sheet bar.....	685			43,925	
Other metal manufactures.....	1,810			153,850	
Other products, mines.....	54			2,700	
Steel.....	93			9,300	
Iron and steel.....	1,841			366,220	
Copper.....	4,376			2,188,000	
Tin.....		28		14,000	
Copper wire.....		2,414		1,448,400	
Castings.....	15			1,125	
Hardware.....		10		1,500	
Brass.....		12		2,400	
Pipe and tubing.....		340		14,000	
Lead.....		62		12,400	
Building material.....	153			7,650	
Copper bar.....	210			84,000	
Steel drills.....		10		2,000	
Angle iron.....		2		100	
Cable.....		7		2,800	
Pig iron.....	56,713			2,268,500	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Machinery and vehicles.....			14,839		\$22,470,000
Agricultural implements.....		7		\$1,400	
Automobiles.....	9,000			18,910,000	
Engines and machinery.....	1,760			880,000	
Electric machinery.....	2,748			1,374,000	
Electric reels.....	23			4,600	
Boilers.....	1,301			1,300,000	
Chemicals.....			37,126		2,053,758
Paints and varnishes.....		1,295		518,000	
Dyes and chemicals.....		4,100		20,500	
Chemicals.....		49		1,960	
Drugs and chemicals.....		2,131		419,608	
Disinfectant.....		17		340	
Acids.....		9		1,800	
Fertilizer.....	1,173			46,920	
Nitrate soda.....	1,002			61,320	
Soda ash.....	24,985			749,550	
Caustic soda.....	1,735			138,800	
Nitrate ammonia.....		200		20,000	
Glycerine.....		130		31,200	
Ocher.....		75		1,500	
Paint.....		85		17,000	
Whiting.....	60			1,260	
Alcohol products.....		80		24,000	
Unclassified.....			298,340		23,423,350
Ice.....	257,650			772,960	
Pianos.....		258		412,800	
Merchandise (general).....	20,000	20,432		22,237,600	
Total.....	2,649,732	437,437	3,087,169		169,726,452

Cargoes in transit, short tons, 167,384; value, \$18,680,680.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	12,657	\$1,606,920
Vegetable food products.....	192,735	20,167,065
Other vegetable products, except fiber and wood.....	2,941	1,661,750
Textiles.....	13,542	13,633,865
Wood and paper.....	30,741	2,079,134
Nonmetallic minerals.....	2,276,707	74,502,974
Ores, metals, and manufactures of, except machinery and vehicles.....	207,541	8,127,616
Machinery and vehicles.....	14,839	22,470,000
Chemicals.....	37,126	2,053,758
Unclassified.....	298,340	23,423,350
Total.....	3,087,169	169,726,452

Cargoes in transit, foreign imports and exports, short tons, 167,384; value, \$18,680,680.

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri-can.	For-eign.	Arriv-als.	Depart-ures.	Least.	Great-est.	Least.	Great-est.
Steamers.....	15		1,187	1,189	140	4,300	7	11
Tugs.....	25				30	175	6	12
Barges and canal boats.....	1,600	300	5,000	5,000	150	1,200	4	13

Passengers carried, 575,853.

Vessel classification—Continued.

	Number.	Tonnage.	Value.
Vessels built and launched.....	16	9,598	\$182,520

Average rate per ton for freight carried from Troy to New York, \$3.50.

FEDERAL LOCK, TROY, N. Y.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1915.....	332,213	\$5,691,100	1918.....	618,082	\$30,898,080
1916.....	651,705	12,758,644	1919.....	686,419	46,740,402
1917.....	573,526	13,471,853	1920.....	706,193	38,960,120

Cargoes in transit, 1920: Tons, 167,384; value, \$18,680,050.

[Navigation season, May 3, 1920, to Dec. 17, 1920.]

*Freight traffic.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
Animals and animal products, except wool and hair.....			1,282	\$90,000	\$106,400
Bone.....	1,200			16,400	
Fish.....	82				16,794,310
Vegetable food products.....			164,297		
Castor oil.....		200		20,000	
Linseed oil.....		448		224,000	
Palm olive oil.....		300		9,000	
Oil cake.....		850		51,000	
Hay.....		9,000		270,000	
Cocoa.....		35		8,750	
Sugar.....		17,210		5,163,000	
Molasses.....	4,254			212,700	
Ivory nuts.....		250		12,500	
Flour.....		14,100		1,800,000	
Shredded wheat.....		275		82,500	
Apples.....		210		9,000	
Wheat.....	58,100			5,357,000	
Rye.....	46,629			2,932,000	
Barley.....	8,410			378,450	
Oats.....	1,184			59,200	
Onions.....	210			11,680	
Castor beans.....	336			42,000	
Potatoes.....		2,296		151,550	
Rye.....	46,629			2,932,000	
Barley.....	8,410			378,450	
Oats.....	1,184			59,200	
Onions.....	210			11,680	
Castor beans.....	336			42,000	
Potatoes.....		2,296		151,550	
Other vegetable products, except fiber and wood.....			557	75,750	89,950
Resin.....		505		4,200	
Pitch.....		42		10,000	
Tobacco.....		10			929,440
Textiles.....			6,704		
Rags.....		5,674		340,440	
Twines.....		880		264,000	
Knit goods.....		150		325,000	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
Wood and paper.			28,388		\$1,988,794
Sawdust.	857			\$17,140	
Barrels.		282		14,100	
Beaver board.		1,569		260,454	
Empty crates.		10		200	
Paper and wood pulp.	5,000			250,000	
Lumber.	20,670			1,446,900	
Nonmetallic minerals.			259,518		6,749,968
Machine oil.		205		16,073	
Fuel oil.		65		1,950	
Asbestos.		797		15,940	
Asphalt.	1,294			38,820	
Glass.		3		650	
Paving block.	1,728			20,736	
Bottles.		80		11,200	
Coke.	1,679			26,864	
Gypsum.	1,434			93,210	
Sand.	29,947			59,894	
Clay.	22,758			368,950	
Salt.	32,892			657,840	
Sulphur.	25,760			644,100	
Crushed stone.	1,888			3,776	
Gravel.	4,807			7,210	
Cement.		11,358		181,728	
Brick.	3,547			35,470	
Coal.	25,989			259,890	
Gasoline.	57,909			3,069,177	
Kerosene.	14,124			564,960	
Petroleum.	21,054			631,530	
Motor oil.		200		40,000	
Ores, metals and manufactures of, except machinery and vehicles.			196,398		5,389,028
Copper.	1,135			567,500	
Building material.	153			7,650	
Copper bar.	210			84,000	
Steel drills.		10		2,000	
Angle iron.		2		100	
Iron and steel.		1,830		366,000	
Cable.		7		2,800	
Pipe.		300		12,000	
Pig iron.	56,713			2,288,500	
Copper wire.		2,125		1,275,000	
Iron ore.	133,913			803,478	
Machinery and vehicles.			7,004		3,265,000
Boilers.		1,301		1,300,000	
Electric supplies.		2,955		591,000	
Electric machinery.		2,748		1,374,000	
Chemicals.			29,072		1,052,630
Nitrate soda.	1,002			61,320	
Soda ash.	24,985			749,550	
Caustic soda.	1,735			138,800	
Nitrate ammonia.		200		20,000	
Glycerine.		130		31,200	
Ocher.		75		1,500	
Fertilizer.		800		32,000	
Paint.		85		17,000	
Whiting.		60		1,260	
Unclassified: General merchandise.		12,973	12,973	2,594,600	2,594,600
Total.	613,588	92,605	706,193		38,960,120

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animal and animal products, except wool and hair.....	1, 282	\$106, 400
Vegetable food products.....	164, 297	16, 794, 310
Other vegetable products, except fiber and wood.....	557	89, 950
Textiles.....	6, 704	929, 440
Wood and paper.....	28, 388	1, 988, 794
Nonmetallic minerals.....	259, 518	6, 749, 968
Ores, metals, and manufactures of, except machinery and vehicles.....	196, 398	5, 389, 028
Machinery and vehicles.....	7, 004	3, 265, 000
Chemicals.....	29, 072	1, 052, 630
Unclassified.....	12, 973	2, 594, 600
Total.....	706, 193	38, 960, 120

Vessel classification.

Tow boats.....	1, 638
Freight steamers.....	470
Canal boats and barges.....	3, 978
Motor boats and dredges.....	956
Total.....	7, 042
Number of lockages.....	2, 419
Number vessels ascended.....	3, 583
Number vessels descended.....	3, 459

NARROWS OF LAKE CHAMPLAIN, N. Y. AND VT.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895.....	565, 414	(¹)	1909.....	625, 604	(¹)
1896.....	826, 880	(¹)	1910.....	674, 683	(¹)
1897.....	604, 800	(¹)	1911.....	825, 975	(¹)
1898.....	519, 873	(¹)	1912.....	548, 699	\$5, 487, 000
1899.....	498, 731	(¹)	1913.....	424, 933	4, 675, 311
1900.....	848, 457	(¹)	1914.....	466, 700	4, 448, 438
1901.....	714, 741	(¹)	1915.....	437, 791	5, 425, 524
1902.....	395, 234	(¹)	1916.....	390, 020	5, 795, 351
1903.....	590, 789	(¹)	1917.....	411, 981	8, 487, 981
1904.....	651, 592	(¹)	1918.....	343, 514	8, 751, 914
1905.....	698, 617	(¹)	1919.....	323, 023	9, 185, 389
1906.....	676, 051	(¹)	1920.....	449, 970	11, 108, 847
1907.....	724, 529	(¹)			
1908.....					

¹ No statistics available.

Passengers carried, none.

[Navigation season, Apr. 15, 1920, to Dec. 1, 1920.]

Freight traffic.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair:				
Hides.....	4	4	\$2,000	\$2,000
Vegetable food products: Hay.....	* 6,847	6,847	195,410	195,410
Wood and paper.....		162,803		6,645,987
Pulp wood.....	79,144		1,820,312	
Wood pulp.....	6,690		234,255	
Lumber.....	75,633		4,537,980	
Paper.....	1,336		53,440	
Chemicals.....		11,627		567,850
Fertilizer.....	1,350		54,000	
Manufactured products.....	10,277		513,850	
Total.....		181,281		7,411,247
EXPORTS.				
Vegetable food products: Flaxseed.....	1,060	1,060	79,500	79,500
Nonmetallic minerals.....		73,764		795,947
Coal.....	61,088		671,980	
Petroleum.....	595		24,750	
Sand.....	6,306		12,612	
Clay.....	5,775		86,625	
Total.....		74,824		875,447
Total imports and exports.....		256,105		8,286,694

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Value.	
	Bulk.	Package.	By com- modities.	By classes.
Vegetable food products: Flaxseed.....	2,294		2,294	\$172,050
Nonmetallic minerals.....			50,815	1,423,985
Anthracite coal.....	13,470			134,700
Bituminous.....	3,926			47,112
Petroleum.....	23,461			1,173,050
Cement.....		168		2,688
Brick.....	195			1,950
Sand.....	6,112			12,240
Clay.....	3,483			52,245
Ores, metals, and manufactures, except machinery.....			132,143	793,518
Iron.....	15			750
Iron ore.....	132,128			792,768
Machinery and vehicles: Machinery.....	13		13	5,600
Chemicals.....			9,600	427,000
Fertilizer.....	300			12,000
Manufactured products.....		8,300		415,000
Total.....	185,397	8,468	193,945	2,822,153

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Tons.	Value.	Tons.	Value.		
	Tons.	Value.	Tons.	Value.						
Animals and animal products, except wool and hair..	4	\$2,000					4	\$2,000		
Vegetable food products.....	6,847	195,410	1,060	\$79,500	2,294	\$172,050	10,201	446,960		
Wood and paper.....	162,803	6,645,987					162,803	6,645,987		
Nonmetallic minerals.....			73,764	795,947	50,815	1,423,985	124,579	2,219,932		
Ores, metals, and manufactures, except machinery.....					132,143	793,518	132,143	793,518		
Machinery and vehicles.....					13	5,600	13	5,600		
Chemicals.....	11,627	567,850			8,600	427,000	20,227	994,850		
Total.....	181,281	7,411,247	74,824	875,447	193,865	2,322,153	449,970	11,108,847		

Vessel classification.

	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Tugs.....	4				144	244	7	10
Freight steamers.....	10		365	365	300	300	6	9
Canal boats.....	300	250	800	800	100	332	4	8.6

BURLINGTON, VT.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895.....	180,346	(1)	1908.....	91,374	(1)
1896.....	145,981	(1)	1909.....	78,935	(1)
1897.....	109,180	(1)	1910.....	90,000	(1)
1898.....	116,527	(1)	1911.....	100,000	(1)
1899.....	87,630	(1)	1912.....	65,381	\$1,246,000
1900.....	131,226	(1)	1913.....	44,510	940,000
1901.....	106,234	(1)	1914.....	20,279	1,853,030
1902.....	102,825	(1)	1915.....	23,284	2,219,900
1903.....	106,763	(1)	1916.....	10,867	3,109,660
1904.....	107,421	(1)	1917.....	13,625	4,204,570
1905.....	109,646	(1)	1918.....	57,392	8,511,354
1906.....	83,098	(1)	1919.....	60,650	5,473,140
1907.....	93,118	(1)	1920.....	46,579	8,064,286

1 No statistics available.

Passengers carried, 97,653 in 1917, 55,694 in 1918, 64,730 in 1919, and 67,783 in 1920.

[Navigation season, Apr. 15, 1920, to Dec. 1, 1920.]

Freight traffic.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber.....	15, 138	15, 138	\$748, 377	\$748, 377

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS AND SHIPMENTS.					
Nonmetallic minerals.....			22, 200		\$1, 234, 944
Coal.....	250			\$2, 750	
Gasoline.....	15, 250			973, 611	
Kerosene.....	6, 700			258, 583	
Unclassified: Merchandise.....		9, 241	9, 241	6, 080, 965	6, 080, 965
Total.....			31, 441		7, 315, 909

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	15, 138	\$748, 377			15, 138	\$748, 377
Nonmetallic minerals.....			22, 200	\$1, 234, 944	22, 200	1, 234, 944
Unclassified.....			9, 241	6, 080, 965	9, 241	6, 080, 965
Total.....	15, 138	748, 377	31, 441	7, 315, 909	46, 579	8, 064, 286

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Great-est.	Least.	Great-est.
Steamers.....	3		734	739	742	1, 195	7	8
Tugs.....	2	3			125	170	6	10
Barges and canal boats.....	10	175	300	300	150	300	3	9

Passengers carried, 67,783.

PLATTSBURG HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895.....	46,395	()	1913.....	6,016	\$549,600
1902.....	241,225	()	1914.....	7,733	350,140
1903.....	261,060	()	1915.....	6,806	971,250
1904.....	261,107	()	1916.....	11,562	1,298,350
1905.....	253,429	()	1917.....	7,457	1,779,150
1909.....	257,950	()	1918.....	3,572	811,746
1910.....	260,185	()	1919.....	4,747	1,359,325
1911.....	262,075	()	1920.....	4,853	1,545,599
1912.....	26,481	\$829,272			

¹ No statistics available.

Passengers carried, 97,653 in 1917, 55,694 in 1918, 64,730 in 1919, 67,838 in 1920.

[Navigation season, Apr. 15, 1920, to Dec. 1, 1920.]

Freight traffic.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber.....	1,286	1,286	\$60,769	\$60,769

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS AND SHIPMENTS.					
Unclassified: Merchandise.....	3,567	3,567	\$1,484,830	\$1,484,830

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	1,286	\$60,769			1,286	\$60,769
Unclassified.....			3,567	\$1,484,830	3,567	1,484,830
Total.....	1,286	60,769	3,567	1,484,830	4,853	1,545,599

Vessel classification.

	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Amer-ican.	For-eign.	Arriv-als.	Depart-ures.	Least.	Great-est.	Least.	Great-est.
Steamers.....	3		431	423	742	1,195	7	8
Tugs.....	2				150	200	7	10
Canal boats.....		6	8	8	150	200	6	6

Passengers carried, 67,838.

PORT HENRY HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917.....	49	\$11,570	1,605	1919.....	42,556	\$236,416	1,973
1918.....	34,765	206,099	2,353	1920.....	117,854	1,185,322	380

[Navigation season, Apr. 15, 1920, to Dec. 1, 1920.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS AND SHIPMENTS.					
Nonmetallic minerals.....			3,780		\$118,567
Coal.....	393			\$4,229	
Coke.....	1,936			30,976	
Petroleum products—					
Gasoline.....	1,082			69,106	
Kerosene.....	369			14,256	
Ores, metals and manufactures except ma- chinery and vehicles: Iron ore.....	112,393		112,393	730,555	730,555
Unclassified: Manufactured products.....		1,681	1,681	336,200	336,200
Total.....	116,173	1,681	117,854		1,185,322

SUMMARY.

Classes of commodities.	Domestic.		Total.	
	Tons.	Value.	Tons.	Value.
Nonmetallic minerals.....	3,780	\$118,567	3,780	\$118,567
Ores, metals and manufactures, except machinery and vehicles.....	112,393	730,555	112,393	730,555
Unclassified.....	1,681	336,200	1,681	336,200
Total.....	117,854	1,185,322	117,854	1,185,322

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Steamers.....	2	5	5	892	1,195	7	8
Tugs.....	2			100	244	7	10
Freight steamers.....	12	365	365	300	300	6	9
Canal boats.....	55	361	361	100	332	8	8.6

Passengers carried, 380.

HUNTINGTON BAY, N. Y.

Comparative statement.

No statistics are available for previous years.

NOTE.—This waterway is not under improvement by the United States, hence no brief summary is submitted.

[Navigation season, continuous.]

Freight traffic.

DOMESTIC.

Classes and commodities	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals: Pe- troleum products.....	42		42	\$2,219	\$2,219	Miles. 41	Cents.
SHIPMENTS, COASTWISE.							
Nonmetallic minerals.....			689,813		869,460		
Gravel.....	75,420			122,528		44	1.1
Sand.....	614,393			746,932		44	1.1
Total.....	689,813		689,813		869,460		
Total shipments and receipts.....	689,855		689,855		871,679		

Cargoes in transit.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Wood and paper: Lumber and timber (sawed).....	204	\$18,590	Nonmetallic minerals—Con.		
Nonmetallic minerals:			Ashes.....	667	\$100
Brick (building).....	252	2,914	Petroleum products.....	14	727
Cement.....	4,457	75,880	Unclassified: Manure.....	1,500	4,500
Crushed stone.....	14,087	18,459	Total.....	30,996	193,300
Coal.....	8,915	72,130			

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Coastwise.	
	Tons.	Value.
Nonmetallic minerals.....	699,855	\$871,679

Cargoes in transit, tons, 30,996; value, \$193,300.

Vessel classification.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arriv-als.	Departures.	Least.	Great-est.	Least.	Great-est.
Registered:							
Steamers.....	1	2	2	20	115	4	9
Towboats.....	16	226	226	9	111	6	12
Canal boats, lighters, barges, etc.....	12	27	27	430	450		8
Unregistered, canal boats, lighters, barges, etc.	608	1,058	1,058	200	1,000	7	11

MANHASSET BAY, N. Y.

Comparative statement.

No statistics of commerce for previous years are available.

NOTE.—This waterway is not under improvement by the United States, hence no brief summary is submitted.

[Navigation season, continuous.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals.....			565	\$3,180	\$16,327	Miles. 86.6	Cents. 1.7
Brick (building).....	318						
Petroleum products.....	247			13,147		20.5	
Machinery and vehicles.....							
Engines and machinery.....		30	30	14,000	14,000	24.5	
Total.....	565	30	595		30,327		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals.....			44,449		\$48,578		
Gravel.....	13,360			19,792		23.4	2.4
Sand.....	31,089			28,786		23.4	2.4
Total.....	44,449		44,449		48,578		
Total shipments and receipts.....	45,014	30	45,044		78,905		

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Nonmetallic minerals.....	45,014	\$64,905
Machinery and vehicles.....	30	14,000
Total.....	45,044	78,905

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arriv-als.	Depart-ures.	Least.	Great-est.	Least.	Great-est.
Registered:							
Towboats.....	4	91	91	19	30	7	9
Canal boats, lighters, barges, etc.....	16	29	29	300	1,000	6	10
Unregistered, canal boats, lighters, barges, etc.....	30	62	62	97	800	8	10

OYSTER BAY, N. Y.

[Navigation season, continuous.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities. (Package.)	Amount in short tons, by classes.	Value.		Average haul.
			By commodities.	By classes.	
RECEIPTS, COASTWISE.					
Nonmetallic minerals.....		\$153		\$14,544	Miles.
Lubricating oil.....	1		83		50.9
Gasoline.....	130		13,020		50.9
Kerosene.....	22		1,441		50.9
Unclassified: General merchandise.....	10	10	3,000	3,000	50.9
Total.....	163	163		17,554	

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arriv-als.	Depart-ures.	Least.	Great-est.	Least.	Great-est.
Registered, canal boats, lighters, barges, etc....	3	4	4	16	75	3	4

CONEY ISLAND CREEK, N. Y.

[Navigation season, continuous.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mie.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.						Miles.	Cents.
Nonmetallic minerals.....			63,585		\$97,000		
Gravel.....	6,750			\$10,000		42.0	
Sand.....	13,500			15,000		42.0	
Crushed stone.....	43,335			72,000		90.4	
Total.....	63,585		63,585		97,000		
RECEIPTS, INTRAPORT.							
Other vegetable products, except fiber and wood:							
Tobacco.....		2,000	2,000	412,000	412,000	12.7	
Nonmetallic minerals.....			117,390		719,348		
Cement.....		3,600		72,100		12.7	
Coal.....	30,556			292,150		19.1	3.6
Ashes.....	66,650			16,000		12.0	14.0
Cellar dirt.....	4,770			1,800		12.0	
Oil (lubricating).....		480		35,600		18.3	
Gasoline.....		141		14,070		18.3	
Kerosene.....		443		26,250		18.3	
Other petroleum prod- ucts.....		2		100		18.3	
Fuel oil.....	10,748			261,278		8.8	
Machinery and vehicles.....			1,816		2,330,000		
Machinery.....		1,200		650,000		12.7	
Automobiles.....		616		1,680,000		12.7	
Unclassified: General mer- chandise.....		9	9	2,140	2,140	12.7	
Total.....	112,724	8,491	121,215		3,463,488		
SHIPMENTS, INTRAPORT.							
Other vegetable products, except fibers and wood:							
Tobacco.....		2,000	2,000	412,000	412,000	12.7	
Nonmetallic minerals: Sand (white).....	2,700		2,700	4,000	4,000	8.4	9.9
Machinery and vehicles:							
Machinery.....		1,000	1,000	200,000	200,000	12.7	
Unclassified: Ice.....	4,800		4,800	19,200	19,200	12.0	
Total.....	7,500	3,000	10,500		635,200		
RECEIPTS, INTERNAL.							
Wood and paper: Piles or logs.....		40	40	880	880	9.3	
Nonmetallic minerals:							
Crushed stone.....	2,305		2,305	5,000	5,000	51.0	
Unclassified: Ice.....	4,847		4,847	14,541	14,541	124.0	
Total.....	7,152	40	7,192		20,421		
Total receipts and shipments.....	190,961	11,531	202,492		4,216,109		

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Other vegetable products, except fibers and wood.....			4,000	\$324,000	4,000	\$324,000
Wood and paper.....			40	890	40	890
Nonmetallic minerals.....	63,585	\$97,000	122,395	728,348	185,980	825,348
Machinery and vehicles.....			2,816	2,530,000	2,816	2,530,000
Unclassified.....			9,656	35,881	9,656	35,881
Total.....	63,585	97,000	138,907	4,119,109	202,492	4,216,109

Vessel classification.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Great-est.	Least.	Great-est.
Registered:							
Towboats.....	18	374	374	7	83	4	8
Sailing vessels.....	1	3	3	43	85	3	6
Canal boats, lighters, barges, etc.....	138	291	291	116	750	3	12
Unregistered: Canal boats, lighters, barges, etc.....	32	83	83	16	800	3	9

PECONIC BAY, N. Y.

[Navigation season, continuous.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.		Average haul.
			By commodities.	By classes.	
SHIPMENTS, INTRAPORT. ¹					
Animals and animal products, except wool and hair: Oysters.....	1,875	1,875	\$26,662	\$26,662	Miles. 11
Total.....	1,875	1,875	.....	26,662	.....

¹ The term "intraport" is here meant to include traffic to localities on the various bays at the eastern end of Long Island.

Cargoes in transit.

Commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair: Oysters.....	2,193	\$32,632

Vessel classification.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered, motor boats.....	4	146	146	30	48	4	8

GARDINERS BAY, N. Y.

[Navigation season, continuous.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Chemicals: Fertilizer		50	50	\$2,720	\$2,720	Miles. 153.0	Cents.
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair: Oysters.....	35		35	847	847	30.4	.....
SHIPMENTS, INTRAPORT.¹							
Animals and animal products, except wool and hair:			2,060		65,838		
Oysters.....	1,875			45,413		9.6	
Fish.....	185			20,425		9.6	
Wood and paper: Cordwood.....	828		828	2,250	2,250	19.4	10.3
Nonmetallic minerals: Sand.....	64		64	132	132	19.4	10.3
Total.....	2,952		2,952		68,220		
Total receipts and shipments.....	2,987	50	3,037		71,787		

¹ The term "intraport" is here meant to include traffic to localities on the various bays at the eastern end of Long Island.

Cargoes in transit.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair:			Nonmetallic minerals:		
Fish.....	40	\$4,500	Molding sand.....	167	\$125
Oysters.....	131	3,495	Coal.....	1,814	25,277
Vegetable food products, oil seeds, expressed oils, and beverages: Vegetables.....	525	21,000	Coke.....	152	1,402
Wood and paper:			Brick.....	3,844	38,454
Lumber.....	48	2,000	Chemicals: Fertilizer.....	2,414	136,635
Cordwood.....	126	585	Unclassified: General merchandise.....	3,529	705,800
			Total.....	12,796	939,273

Cargoes in transit—Continued.

SUMMARY.

Class of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	35	\$847	2,060	\$65,838	2,095	\$66,685
Wood and paper.....			828	2,250	828	2,250
Nonmetallic minerals.....			64	132	64	132
Chemicals.....	50	2,720			50	2,720
Total.....	85	3,567	2,952	68,220	3,037	71,787

Cargoes in transit, short tons, 7,373; value, \$744,254.

Vessel classification.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	6	291	291	102	436	6	11
Sailing vessels.....	13	114	114	10	130	4	10
Canal boats, lighters, barges, etc.....	9	13	13	250	715	7	13
Motor boats.....	12	752	752	2	75	3	8

Passengers carried, 26,019.

SHELTER ISLAND SOUND, N. Y. (SAG HARBOR).

[Navigation season, continuous.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (package).	Amount in short tons, by classes.	Value.		Average haul.
			By commodities.	By classes.	
RECEIPTS, COASTWISE.					
Unclassified: General merchandise.....	1,697	1,697	\$339,400	\$339,400	<i>Miles.</i> 38.7
SHIPMENTS, COASTWISE.					
Unclassified: General merchandise.....	566	566	113,200	113,200	38.7
Total receipts and shipments.....	2,263	2,263	.....	452,600	.....

SUMMARY.

Class of commodities.	Coastwise.	
	Tons.	Value.
Unclassified: General merchandise.....	2,263	\$452,600

Vessel classification.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	2	423	423	436	471	6	9
Motor boats.....	8	1,200	1,200	4	4	4	4

Passengers carried, 8,673.

GREENPORT HARBOR, N. Y.

[Navigation season, continuous.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and paper: Lumber.....	48		48	\$2,000	\$2,000	Miles. 28.4	Cents.
Nonmetallic minerals.....			1,033		11,204		
Molding sand.....	167			125		217.0	1.2
Coal.....	714			9,677		138.0	1.5
Coke.....	152			1,402		136.0	1.9
Chemicals: Fertilizer.....		1,029	1,029	61,291	61,291	34.0	
Unclassified: General mer- chandise.....		1,266	1,266	253,200	253,200	28.4	
Total.....	1,081	2,295	3,376		327,695		
SHIPMENTS, COASTWISE.							
Animals and animal prod- ucts, except wool and hair: Oysters and clams.....		2,324	2,324	56,351	56,351	128.0	
RECEIPTS, INTRAPORT. ¹							
Animals and animal prod- ucts, except wool and hair: Fish.....		588	5,326	65,856	179,568	9.0	
Oysters and clams.....		4,738		113,712		9.0	
Vegetable food products, oil- seeds, expressed oils, and beverages.....			5,507		451,652		
Fruits.....		4,379		407,652		4.0	
Vegetables.....		1,128		44,000		4.0	
Total.....		10,833	10,833		631,220		
SHIPMENTS, INTRAPORT. ¹							
Animals and animal prod- ucts, except wool and hair: Manure.....	374		374	1,870	1,870	4.0	
Wood and paper: Piles and logs.....	50		50	1,200	1,200	1.0	
Nonmetallic minerals: Rip- rap.....	1,000		1,000	3,000	3,000	13.0	
Chemicals: Fertilizer.....		130	130	6,000	6,000	4.0	
Total.....	1,424	130	1,554		12,070		
Total receipts and shipments.....	2,505	15,582	18,067		\$1,027,336		

¹ The term "intraport" is here meant to include traffic to and from localities on the various bays at the eastern end of Long Island.

Cargoes in transit.

Commodities.	Amount in short tons.	Value.
Nonmetallic minerals: Brick (building).....	3,844	\$38,454
Unclassified: General merchandise.....	2,263	452,600
Totals.....	6,107	491,054

SUMMARY.

Class of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic..			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	2,324	\$56,351	5,700	\$181,438	8,024	\$237,789
Vegetable food products, oilseeds, expressed oils, and beverages.....			5,507	451,652	5,507	451,652
Wood and paper.....	48	2,000	50	1,200	98	3,200
Nonmetallic minerals.....	1,033	11,204	1,000	3,000	2,033	14,204
Chemicals.....	1,029	61,291	130	6,000	1,159	67,291
Unclassified.....	1,266	253,200			1,266	253,200
Total.....	5,700	384,046	12,387	643,290	18,087	1,027,336

Cargoes in transit, short tons, 6,107; value, \$491,054.

Vessel classification.

Class.	Number of vessels. Ameri- can.	Total.		Tonnage of vessels.		Draft (feet).	
		Ar- rivals.	Depar- tures.	Least.	Great- est.	Least.	Great- est.
Registered:							
Steamers.....	2	279	279	104	436	9	11
Sailing vessels.....	8	112	112	10	130	4	10
Canal boats, lighters, barges, etc.....	9	244	244	10	250	4	7
Miscellaneous craft.....	14	829	829	2	48	3	8
Ferryboat.....	1	5,824	5,824		47		4

Passengers carried, 112,412.

SOUTHOLD BAY, N. Y.

[Navigation season, continuous.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons by com- modities (bulk).	Amount in short tons by classes.	Value.		Aver- age haul.	Rate ton- mile.
			By com- modities.	By classes.		
RECEIPTS, COASTWISE.						
Nonmetallic minerals: Molding sand.....	167	167	\$125	\$125	<i>Miles.</i> 236.6	<i>Cents.</i> 1.0
Wool and paper: Cordwood.....	45	45	585	585	27.5	3.9
Total.....	212	212		710		
SHIPMENTS, COASTWISE.						
Nonmetallic minerals: Brick (building).....	3,844	3,844	38,454	38,454	77.0	1.9
RECEIPTS, INTRAPORT. ¹						
Wood and paper: Cordwood.....	828	828	2,250	2,250	19.4	4.6
Nonmetallic minerals: Sand.....	64	64	132	132	19.4	10.3
Total.....	892	892		2,382		
Total receipts and shipments.....	4,948	4,948		41,546		

¹ The term "Intraport" is here meant to include traffic from localities on the various bays at the eastern end of Long Island.

Cargoes in transit.

Commodities.	Amount in short tons.	Value.
Animals and animal products except wool and hair: Oysters.....	4,068	\$79,294
Nonmetallic minerals: Riprap.....	1,000	3,000
Unclassified: General merchandise.....	2,263	452,600
Total.....	7,331	\$534,894

SUMMARY.

Class of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Wood and paper.....	45	\$585	828	\$2,250	873	\$2,835
Nonmetallic minerals.....	4,011	38,579	64	132	4,075	38,711
Total.....	4,056	39,164	892	2,382	4,948	41,546

Cargoes in transit, short tons, 7,331; value, \$534,894.

Vessel classification.

Class.	Number of vessels (American).	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	1	273	273		436		9
Sailing vessels.....	10	55	55	20	130	6	10
Canal boats, lighters, barges, etc.....	4	10	10				
Motor boats.....	4	146	146	30	48	4	8

CUTCHOGUE HARBOR, N. Y.

[Navigation season, continuous.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons by commod- ities (bulk).	Amount in short tons by classes.	Value.		Aver- age haul.
			By com- modities.	By classes.	
RECEIPTS, INTRAPORT. ¹					
Animals and animal products, except wool and hair.					Miles.
Oysters.....	3,572	3,572	\$98,623	\$98,623	6
Nonmetallic minerals: Riprap.....	1,000	1,000	3,000	3,000	13
Total.....	4,572	4,572	.....	\$101,623	.....

¹ The term "Intraport" is here meant to include traffic from localities on the various bays at the eastern end of Long Island.

Vessel classification.

Class.	Number of vessels American.	Total.		Tonnage of vessels (greatest).	Greatest draft.
		Arrivals.	Departures.		
Registered:					Fet.
Canal boats, lighters, barges, etc.....	1	4	4	250	6
Motor boats.....		150	150		

FORT POND BAY, N. Y.

[Navigation season, continuous.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons by commod- ities (bulk).	Amount in short tons by classes.	Value.		Aver- age haul.
			By com- modities.	By classes.	
RECEIPTS, INTRAPORT. ¹					
Animals and animal products, except wool and hair: Fish.....	2, 375	2, 375	\$281, 250	\$281, 250	Miles. 7

¹ The term "Intraport" is here meant to include traffic from localities on the various bays at the eastern end of Long Island.

Vessel classification.

Class.	Total.		Tonnage of vessels.		Draft (feet).	
	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered motor boats.....	594	594	3	5	4	4

ORIENT HARBOR, N. Y.

[Navigation season, continuous.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals: Coal.	896		896	\$12,000	\$12,000	Miles. 134	Cents. 1.8
Chemicals: Fertilizer.....		1,385	1,385	75,344	75,344	126	
Total.....	896	1,385	2,281		87,344		
SHIPMENTS, COASTWISE.							
Vegetable food products, oil- seeds, expressed oils, and beverages: Vegetables.....		525	525	21,000	21,000	44	15.1
RECEIPTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair: Manure.....	374		374	1,870	1,870	4	
Chemicals: Fertilizer.....		130	130	6,000	6,000	4	
Total.....	374	130	504		7,870		
SHIPMENTS, INTRAPORT.							
Vegetable food products, oil- seeds, expressed oil, and beverages.....			5,506		451,652		
Fruits.....	4,378			407,652		4	
Vegetables.....	1,128			44,000		4	
Total.....		5,506	5,506		451,652		
Total receipts and shipments.....	1,270	7,546	8,816		567,866		

SUMMARY.

Class of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....			374	\$1,870	374	\$1,870
Vegetable food products, oilseeds, expressed oils, and beverages.....	525	\$21,000	5,506	451,652	6,031	472,652
Nonmetallic minerals.....	896	12,000			896	12,000
Chemicals.....	1,385	75,344	130	6,000	1,515	81,344
Total.....	2,806	108,344	6,010	459,522	8,816	567,866

Vessel classification.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Great-est.	Least.	Great-est.
Registered:							
Steamers.....	1	3	3		175		7
Canal boats, lighters, barges, etc.....	5	7	7	250	715	7	18
Motor boats.....	6	308	308	10	75	4	6

GRAVESEND BAY, N. Y.

[Navigation season continuous.]

Freight traffic.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Chemicals: Explosives.....	2, 250	2, 250	\$450, 000	\$450, 000

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT.							
Wood and paper: Lumber and timber (sawed).....	139		139	\$1, 857	\$1, 857	Miles. 10. 7	Cents.
Nonmetallic minerals.....			49, 029		96, 284		
Crushed stone.....	48, 807			84, 470		49. 5	
Other petroleum products.....	222			11, 814		10. 0	
Machinery and vehicles:							
Ship gear.....		30	30	3, 000	3, 000	10. 7	
Chemicals: Explosives.....		9, 258	9, 258	925, 800	925, 800	27. 8	
Total.....	49, 168	9, 288	58, 456		1, 026, 941		
SHIPMENTS, INTRAPORT.							
Wood and paper: Lumber and timber (sawed).....	1, 500		1, 500	60, 000	60, 000	11. 4	
Nonmetallic minerals: Sand.....	641		641	600	600	8. 8	1. 2
Chemicals: Explosives.....		7, 942	7, 942	794, 200	794, 200	27. 8	
Total.....	2, 141	7, 942	10, 083		854, 800		
Total receipts and shipments.....	51, 309	17, 230	68, 539		1, 881, 741		

Cargoes in transit.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Vegetable products, except fibers and wood: Tobacco.	4,000	\$324,000	Nonmetallic minerals—Con.		
Wood and paper: Piles or logs.	40	880	Gasoline.	141	\$14,070
Nonmetallic minerals:			Kerosene.	443	26,250
Gravel.	6,750	10,000	Other petroleum products.	2	100
Sand.	13,500	15,000	Fuel oil.	10,748	261,278
Sand (white).	2,700	4,000	Machinery and vehicles:		
Crushed stone.	45,640	77,000	Machinery.	2,200	850,000
Cement.	3,600	72,100	Automobiles.	616	1,680,000
Coal.	30,556	292,150	Unclassified:		
Ashes.	66,650	16,000	Ice.	9,647	33,741
Cellar dirt.	4,770	1,800	General merchandise.	9	2,140
Oil (lubricating).	480	35,600	Total.	202,492	4,216,109

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.			1,639	\$61,857	1,639	\$61,857
Nonmetallic minerals.			49,670	96,884	49,670	96,884
Machinery and vehicles.			30	3,000	30	3,000
Chemicals.	2,250	\$450,000	17,200	1,720,000	19,450	2,170,000
Total.	2,250	450,000	68,539	1,881,741	70,789	2,331,741

Cargoes in transit, short tons, 202,492; value, \$4,216,109.

Vessel classification.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.	1	1	1		5,454		27
Towboats.	22	544	544	7	83	2	10
Sailing vessels.	1	3	3	43	85	3	6
Canal boats, lighters, barges, etc.	219	461	461	23	750	3	12
Unregistered: Canal boats, lighters, barges, etc.	32	83	83	16	800	3	9

OTTER CREEK, VT.

Comparative statement of traffic.

Year.	Tonnage.	Value.	Year.	Tonnage.	Value.
1879.	6,750	(1)	1896.	(1)	(1)
1890.	3,731	(1)	1899.	7,200	(1)
1891.	6,291	(1)	1900.	8,090	(1)
1892.	12,275	(1)	1901.	5,760	(1)
1893.	3,925	(1)	1902.	2,790	(1)
1894.	14,035	(1)	1903.	5,300	(1)
1895.	12,675	(1)	1904.	6,150	(1)
1896.	9,052	(1)	1905.	7,180	(1)
1897.	7,680	(1)	1920.	1,366	\$45,960

¹ No statistics available.

No statistics compiled from 1906 to 1919, inclusive.

Passengers carried, 1904, 1,380; 1905, 4,500; 1920, none.

[Navigation season, Apr. 15, 1920, to Dec. 1, 1920.]

Freight traffic.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber.....	788	788	\$40,200	\$40,200

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities (bulk).	By classes.	By commodities.	By classes.
RECEIPTS AND SHIPMENTS.				
Nonmetallic minerals: Coal.....	578	578	\$5,780	\$5,780

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	788	\$40,200	578	\$5,780	788	\$40,200
Unclassified.....					578	5,780
Total.....	788	40,200	578	5,780	1,266	45,980

Vessel classification.

	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri-can.	For-eign.	Arriv-als.	Depart-ures.	Least.	Great-est.	Least.	Great-est.
Tugs.....	2				75	100	4	6
Canal boats.....	4	3	5	5	150	200	4	7

NEW YORK, SECOND DISTRICT.

NEWARK BAY, N. J.

Previous statistics for this waterway included commerce of Passaic River. No comparative statement is therefore given.

[Navigation season, continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Animals and animal products, except wool and hair.....		483		\$198,300
Leather goods.....	371		\$185,500	
Condensed milk.....	112		12,800	
Vegetable food products, oil seeds, expressed oils, and beverages.....		378		53,905
Fruit.....	71		14,200	
Flour.....	124		15,825	
Beer and ale.....	147		5,880	
Coffee.....	36		18,000	
Other vegetable products, except fibers and wood:				
Rubber goods.....	64	64	97,024	97,024
Textiles.....		588		303,900
Dry goods.....	458		237,400	
Clothing and woolsens.....	5		4,000	
Cotton goods.....	125		62,500	
Wood and paper.....		404		24,424
Wood pulp.....	11		924	
Lumber and timber (sawed).....	393		23,500	
Nonmetallic minerals.....		3,952		267,417
Asphalt.....	243		6,075	
Cement.....	1,319		27,390	
Glassware.....	330		165,000	
Coal.....	627		5,600	
Coke.....	731		6,579	
Sulphur.....	17		850	
Lubricating oil.....	485		51,733	
Plaster.....	200		4,200	
Ores, metals, and manufactures of, except machinery and vehicles.....		24,414		2,632,738
Iron (pig and scrap).....	224		11,200	
Iron (sheet and bar).....	116		9,820	
Steel (ingots, sheets).....	648		51,840	
Structural steel.....	20,082		2,008,200	
Lead (sheet, bar, etc.).....	33		4,653	
Other metals (sheet, bar, etc.).....	42		29,400	
Pipe (wrought iron).....	17		3,825	
Pipe (steel).....	1,360		40,800	
Hardware.....	1,892		473,000	
Machinery and vehicles.....		3,184		1,231,482
Agricultural implements.....	31		10,300	
Machinery.....	2,464		963,496	
Automobiles.....	689		257,688	
Chemicals: Chemicals and dyes.....	2,050	2,050	235,750	235,750
Unclassified.....		8,073		1,623,000
General and miscellaneous.....	8,025		1,605,000	
Pianos.....	48		18,000	
Total.....		43,590		6,667,940

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals.....			387,875		\$29,614,369	Miles.	Cents.
Sand.....	17,965			\$20,835		52.5	
Other petroleum prod- ucts.....	369,920			29,593,534		60.0	
Total.....	387,875		387,875		29,614,369		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Other petroleum products.....	46,535		46,535	3,738,794	3,738,794	60.0	
Ores, metals, and manufac- tures of, except machinery and vehicles: Steel manu- factures.....		40	40	7,000	7,000	60.0	
Total.....	46,535	40	46,575		3,745,794		
RECEIPTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair: Fish oils.....		902	902	264,550	264,550	22.5	
Vegetable food products, oil seeds, expressed oils, and beverages.....			1,266		374,710		
Peanut oil.....		48		27,170		19.3	
Coconut oil.....		1,218		347,540		42.5	
Nonmetallic minerals.....			127,678		1,163,141		
Coal.....	125,591			1,007,167		13.0	
Other petroleum prod- ucts.....		1,756		140,686		13.0	
Crude and fuel oil.....	32			2,994		6.5	
Lubricating oil.....	299			12,374		12.0	
Ores, metals, and manufac- tures of, except machinery and vehicles.....			8,145		842,200		
Ordnance.....		7,869		786,900		48.8	
Empty barrels and drums (steel).....		276		55,300		6.5	
Machinery and vehicles: Machinery.....		56	56	7,000	7,000	3.3	
Unclassified: General mer- chandise.....		34,382	34,382	3,438,200	3,438,200	16.3	
Total.....	125,922	46,507	172,429		6,089,801		
SHIPMENTS, INTRAPORT.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			392		125,766		
Coconut meal.....		10		400		8.0	
Coconut oil.....		382		125,366		18.4	
Nonmetallic minerals.....			326,065		24,806,603		
Coal.....	17,834			146,083		14.0	5.2
Other petroleum prod- ucts.....		308,251		24,660,520		17.9	
Ores, metals, and manufac- tures of, except machinery and vehicles.....			6,243		597,300		
Ship gear.....		101		27,500		16.3	
Ordnance.....		3,936		393,600		48.8	
Other metals (sheets, bars, etc.).....		10		520		6.5	
Steel (ingots, sheets, etc.).....		2,196		175,680		22.5	
Chemicals: Chemicals.....		2,500	2,500	125,000	125,000	11.4	
Unclassified: General mer- chandise.....		23,628	23,628	2,362,800	2,362,800	16.3	
Total.....	17,834	341,014	358,848		28,017,469		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			1,248		\$207,920	Miles.	Cents.
Grain.....	835			\$40,080		464.0	0.6
Coconut oil.....		413		167,840		42.5	
Wood and paper: Lumber and timber (sawed).....	1,035		1,035	30,296	30,296	196.0	
Nonmetallic minerals.....			13,277		64,323		
Brick (building).....	3,866			37,582		119.0	
Crushed stone.....	7,994			11,667		61.5	
Paving blocks (asphalt). Other petroleum prod- ucts.....		1,398		13,546		40.5	
		19		1,528		40.0	
Ores, metals, and manufac- tures of, except machinery and vehicles.....			2,321		226,800		
Steel (ingots, sheets, bars).....		1,000		80,000		464.0	.9
Steel manufactures.....		60		20,700		464.0	.9
Structural steel.....		1,261		126,100		464.0	.9
Unclassified: General mer- chandise.....		65	65	6,500	6,500		
Total.....	13,730	4,216	17,946		536,839		
SHIPMENTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages: Flour.....		1	1	62	62	464.0	1.3
Nonmetallic minerals: Other petroleum products.....		45,045	45,045	3,603,600	3,603,600	42.5	
Machinery and vehicles: Machinery.....		352	352	137,984	137,984	464.0	.9
Total.....		45,398	45,398		3,741,646		
Total receipts and shipments.....	591,896	437,175	1,029,071		71,744,918		

Cargoes in transit, 1920.

Class of commodities.	Amount in short tons.	Value.	Class of commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair:			Textiles:		
Tallow.....	5,675	\$1,390,124	Rags.....	779	\$63,326
Hides.....	607	513,000	Rope.....	5	1,660
Leather goods.....	85	70,600	Burlap.....	4,894	2,175,300
Fish oil.....	826	166,450	Flax (heckled).....	11	23,839
Offal.....	314	31,408	Hemp.....	699	262,878
Grease (medicible).....	193	452,695	Linoleum.....	8,000	5,322,000
Vegetable food products, oil seeds, expressed oils, and beverages:			Wood and paper:		
Flour.....	3,126	482,450	Piles and logs.....	9,325	81,950
Grain.....	5,443	261,264	Lumber and timber (sawed).....	6,591	316,991
Sugar.....	35	14,000	Paving blocks (wood).....	35	840
Coconut oil.....	251	80,288	Lath.....	83	8,000
Cottonseed oil.....	308	61,575	Ties.....	22,163	349,947
Linseed oil.....	4,066	2,279,000	Dyewood.....	360	1,400
Copra.....	796	95,490	Cork.....	8,971	717,690
Other vegetable products, except fibers and wood:			Empty barrels (wood).....	212	17,360
Rosin.....	2,192	368,376	Barrel staves.....	1,181	15,614
Palm oil.....	307	78,328	Wood pulp boards.....	45	3,674
Cotton (raw).....	33,706	32,356,146	Nonmetallic minerals:		
Turpentine.....	2,202	60,732	Brick (building).....	62,663	666,156
			Brick (fire).....	1,121	17,872
			Building stone.....	3,080	42,055
			Gravel.....	20,306	22,080
			Sand.....	409,100	406,912

Cargoes in transit, 1920—Continued.

Class of commodities.	Amount in short tons.	Value.	Class of commodities.	Amount in short tons.	Value.
Building stone—Contd.			Ores, metals, and manufactures of, except machinery and vehicles—Continued.		
Sand (white).....	3,248	\$4,058	Ore (barites).....	4,651	\$72,268
Sand (molding).....	68,014	251,179	Lead (sheet, bars, etc.)	5,591	564,100
Crushed stone.....	395,310	627,966	Iron-ore cinders.....	37,919	90,141
Riprap.....	2,236	2,732	Iron oxide.....	750	13,000
Paving block (stone)...	24,881	172,985	Steel manufactures.....	422	162,107
Coal.....	434,461	3,047,473	Ore chrome.....	11,127	445,000
Coke.....	184,601	1,985,632	Other metal manufactures	595	387,000
Ashes.....	47,864	10,341	Other metals (sheets, bars, etc.).....	767	306,800
Lubricating oil.....	37,621	4,098,626	Iron (sheet and bars)...	20	1,200
Gasoline.....	122,120	11,378,524	Wire (iron and steel)...	368	99,984
Kerosene.....	28,708	1,028,138	Lead manufactures.....	800	192,000
Other petroleum products	16,801	1,233,360	Steel pipe.....	10	2,000
Coal tar.....	29,677	248,954	Hardware.....	300	72,000
Tar oil.....	5,856	58,624	Ship's gear.....	40	11,800
Gas oil.....	4,172	986,692	Cast-iron manufactures	300	80,000
Crude and fuel oil.....	32,862	1,540,794	Machinery and vehicles:		
Fuel oil.....	24,589	911,644	Automobiles.....	4,201	1,527,600
Marble.....	1,066	30,860	Machinery.....	2,967	597,310
Cement.....	294	5,025	Chemicals:		
Fire clay.....	70	900	Soap.....	1,097	256,104
Salt.....	240	2,160	Chemicals.....	1,375	47,255
Clay.....	431	3,329	Soda ash.....	963	31,506
Creosote oil.....	6,260	125,202	Phosphoric acid.....	191	13,392
Plaster.....	1,442	48,399	Fertilizer (chemicals)...	10,688	645,727
Plaster of Paris.....	3,822	82,732	Alcohol and products...	66	72,600
Plaster boards.....	181	5,698	Drugs and chemicals.....	10,403	1,235,480
Gypsum rock.....	6,946	66,302	Acetate of lime.....	24	1,685
Naphtha.....	3,495	384,548	Paint and varnish.....	5,921	2,505,500
Grease (petroleum)...	63	5,890	Unclassified:		
Paraffin wax.....	303	11,761	General merchandise.....	25,991	19,531,731
Ores, metals, and manufactures of, except machinery and vehicles:			Ice.....	17,792	53,376
Copper (sheets, bars, etc.)	774	418,323	Total.....	2,258,162	107,369,395
Copper (ingots).....	20	1,200			
Copper ores.....	89	18,000			
Copper manufactures.....	396	129,120			
Iron (pig and scrap)...	3,449	113,867			

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
	Tons.	Value.	Coastwise.		Other domestic.		Tons.	Value.
			Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	483	\$198,300	.....	.....	902	\$264,550	1,385	\$462,850
Vegetable food products, oil seeds, expressed oils and beverages.....	378	53,905	.....	.....	2,907	708,458	3,285	762,363
Other vegetable products, except fibers and wood.....	64	97,024	.....	.....	.....	.....	64	97,024
Textiles.....	588	303,900	.....	.....	.....	.....	588	303,900
Wood and paper.....	404	24,424	.....	.....	1,035	30,296	1,439	54,720
Nonmetallic minerals.....	3,952	267,417	434,410	\$33,353,163	512,085	29,637,667	960,447	63,258,247
Ores, metals, and manufactures of, except machinery and vehicles.....	24,414	2,632,738	40	7,000	16,709	1,666,300	41,163	4,306,038
Machinery and vehicles.....	3,184	1,231,482	.....	.....	408	144,984	3,592	1,376,466
Chemicals.....	2,050	235,750	.....	.....	2,500	125,000	4,550	360,750
Unclassified.....	8,073	1,623,000	.....	.....	58,075	5,807,500	66,148	7,430,500
Total.....	43,590	\$6,667,940	434,450	\$33,360,163	594,621	\$8,384,755	1,072,661	\$78,412,858

Cargoes in transit, short tons, 2,258,162; value, \$107,369,395.

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri- can.	For- eign.	Arriv- als.	Depar- tures.	Least.	Great- est.	Least.	Great- est.
Registered:								
Steamers.....	30		317	322	99	6,964	6	29
Towboats.....	81		2,033	2,033	8	124	7	12
Sailing vessels.....	6	3	29	29	12	500	7	16
Canal boats, lighters, barges, etc..	2,066		4,743	4,743	15	1,700	2	16
Miscellaneous craft.....	3		105	105	50	754	11	14
Unregistered, canal boats, lighters, barges, etc.....	271		514	514	100	1,200	2	18

PASSAIC RIVER, N. J.

Previous statistics of this waterway included in commerce on Newark Bay. No comparative statement is therefore given.

[Navigation season, continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Wood and paper.....		1,979		\$76,083
Lumber and timber (sawed).....	1,886		\$68,083	
Lath.....	83		8,000	
Nonmetallic minerals: Gypsum rock.....	6,946	6,946	66,302	66,302
Total imports.....		8,925		142,385

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and paper.....			2,317		\$60,774	Miles.	Cents.
Lumber and timber (sawed).....	1,136			\$45,160		690.0	1.6
Barrel staves.....		1,181		15,614		450.0	
Nonmetallic minerals.....			366,214		530,103		
Gravel.....	15,143			24,428		49.0	1.3
Sand.....	344,415			343,860		67.5	.9
Paving blocks (stone).....		5,111		38,315		450.0	.4
Gasoline.....		1,545		123,500		42.0	
Ores, metals, and manufac- tures of, except machin- ery and vehicles.....			605		184,000		
Copper manufactures.....		5		4,000		81.8	
Cast-iron manufactures.....		300		60,000		81.8	
Steel manufactures.....		300		120,000		345.0	
Total.....	360,694	8,442	360,136		774,877		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT.							
Animals and animal products, except wool and hair.....			6, 137		\$2, 186, 752	Miles.	Cents.
Hides.....		607		\$513, 000		17.4	13.8
Fish oil.....		348		69, 525		19.0	
Offal.....		314		31, 408		19.0	
Grease (inedible).....		193		452, 695		22.0	
Tallow.....		4, 675		1, 120, 124		19.0	
Vegetable food products, oilseeds, expressed oils, and beverages.....			13, 671		3, 068, 306		
Grain.....	4, 112			197, 376		19.0	
Flour.....		3, 123		482, 450		19.0	
Sugar.....		35		14, 000		19.0	15.8
Copra.....		798		95, 480		17.4	
Linseed oil.....		5, 605		2, 279, 000		24.0	12.5
Other vegetable products, except fibers and wood.....			19, 391		18, 106, 893		
Cotton (raw).....		17, 804		17, 868, 234		19.5	11.5
Roan.....		1, 587		238, 659		19.0	
Textiles.....			5, 544		2, 581, 017		
Burlaps.....		4, 834		2, 175, 300		19.0	
Flax (heckled).....		11		22, 839		19.0	33.6
Hemp.....		699		382, 878		19.0	21.1
Wood and paper.....			32, 564		1, 130, 626		
Lumber and timber (sawed).....	1, 430			62, 999		19.5	
Ties.....		22, 163		349, 947		19.5	
Cork.....		8, 971		717, 680		19.0	
Nonmetallic minerals.....			308, 796		12, 124, 379		
Brick (building).....	2, 372			26, 730		28.0	
Brick (fire).....		1, 121		17, 873		28.0	4.5
Marble.....		1, 065		30, 950		19.5	
Building stone.....		1, 466		10, 775		20.0	5.0
Cement.....		294		5, 025		19.5	
Sand (white).....	3, 243			4, 058		26.9	
Sand.....	18, 950			19, 651		27.4	
Paving blocks (stone).....		5, 514		1, 470		19.0	
Riprap.....	1, 354			2, 417		19.0	
Fire clay.....	70			900		28.0	7.1
Coal.....	111, 308			718, 424		10.6	5.8
Ashes.....	3, 942			591		19.0	
Clay.....	431			3, 329		22.3	6.7
Lubricating oil.....	7, 892			343, 482		16.8	
Gasoline.....		58, 377		5, 837, 680		14.1	
Kerosene.....		12, 005		818, 145		14.1	
Other petroleum products.....		9, 492		991, 928		14.1	
Cresote oil.....		6, 280		125, 202		24.0	8.3
Fuel oil.....		24, 212		901, 579		14.1	
Crude and fuel oil.....	29, 370			1, 468, 500		14.1	
Gas oil.....		2, 073		79, 170		14.1	
Naphtha.....		3, 455		380, 110		11.6	
Plaster.....		1, 442		43, 399		19.0	
Plaster boards.....		181		5, 698		19.0	
Plaster of Paris.....		3, 822		82, 732		11.6	
Paraffin wax.....		85		4, 561		11.6	
Ores, metals, and manufactures of, except machinery and vehicles.....			4, 258		552, 000		
Copper (sheets, bars, etc.).....		676		135, 200		19.5	
Other metal manufactures.....		315		70, 000		11.6	
Other metals (sheets, bars, etc.).....		767		306, 800		19.5	17.4
Barytes ores.....	2, 500			40, 000		19.0	
Machinery and vehicles:							
Machinery.....		75	75	16, 000	16, 000	19.0	
Chemicals.....			6, 244		245, 167		
Phosphoric acid.....		191		13, 392		11.2	
Chemicals.....		200		5, 000		11.2	
Fertilizer (chemical).....		5, 853		226, 775		19.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Unclassified: General merchandise.....		4,983	4,983	\$268,604	\$268,604	Miles. 19.0	Cents.
Total.....	186,974	215,689	402,663		40,279,834		
SHIPMENTS, INTRAPORT.							
Animals and animal products, except wool and hair.....			1,065		286,925		
Leather goods.....		85		70,000		19.5	
Fish oil.....		480		98,925		19.0	15.8
Tallow.....		500		120,000		19.0	
Vegetable food products, oil-seeds, expressed oils, and beverages.....			559		141,863		
Coconut oil.....		251		80,288		19.0	
Cottonseed oil.....		308		61,575		19.0	
Textiles.....			23,907		19,819,412		
Rope.....		5		1,500		19.0	
Linoleum.....		8,000		5,330,000		19.0	
Cotton (raw).....		15,902		14,487,912		19.5	11.5
Wood and paper.....			1,651		107,275		
Paving blocks (wood). Lumber and timber (sawed).....	1,258	35		840		19.0	
Piles or logs.....		8		104,875		19.0	
Drywood.....		350		160		19.0	
Nonmetallic minerals.....			49,130	1,400	5,153,213	19.0	
Cement.....		40		1,000		17.2	
Lubricating oil.....		28,266		3,508,155		19.0	10.5
Gasoline.....		18,436		1,402,723		19.0	9.5
Kerosene.....		100		4,837		19.0	9.5
Other petroleum products.....		2,067		218,970		8.0	
Grease (petroleum).....		63		5,890		19.5	
Naphtha.....		40		4,438		11.6	
Wax.....		118		7,200		16.0	
Ores, metals, and manufactures of, except machinery and vehicles.....			7,191		1,521,081		
Copper (ingots).....		100		20,000		19.0	
Copper (sheets, bars, etc.).....		96		288,123		19.5	17.4
Iron (sheet, bars, etc.).....		20		1,200		19.0	
Iron (pig and scrap).....		240		7,970		19.0	
Wire (iron and steel).....		368		99,984		19.0	17.4
Lead (sheet and bars).....		4,838		498,800		20.8	
Lead (manufactures).....		800		192,000		19.0	26.3
Other metal manufactures.....		280		317,204		19.5	17.4
Steel pipe.....		10		2,000		19.0	
Hardware.....		300		72,000		19.0	15.8
Ship gear.....		40		11,800		16.2	
Machinery and vehicles: Machinery.....		432	432	83,310	83,310	19.5	
Chemicals.....			13,141		4,112,597		
Alcohol and products.....		66		72,600		19.0	10.5
Drugs and chemicals.....		2,295		1,113,860		19.0	
Fertilizer (chemical).....		4,835		418,962		19.0	
Acetate of lime.....		24		1,635		19.0	10.5
Paints and varnishes.....		5,921		2,506,500		19.0	
Unclassified: General merchandise.....		18,390	18,390	17,902,045	17,902,045	19.0	11.8
Total.....	1,258	114,211	115,469		49,127,721		
RECEIPTS, INTERNAL.							
Vegetable food products, oil-seeds, expressed oils, and beverages: Grain.....	1,331		1,331	63,888	63,888	461.0	
Other vegetable products, except fibers and wood: turpentine.....		2,202	2,202	60,732	60,732	105.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL—CON.							
Wood and paper.....			634		\$20,990	Miles.	Cents.
Lumber and timber (sawed).....	589			\$26,325		190.0	
Wood pulpboards.....		45		3,674		461.0	
Nonmetallic minerals.....			388,421		4,400,100		
Brick (building).....	56,196			606,248		107.0	1.6
Crushed stone.....	274,200			440,941		58.2	
Paving blocks (asphalt).....		6,163		60,053		28.0	2.8
Salt.....		240		2,160		299.0	11.7
Molding sand.....	514			1,179		105.0	
Oil (lubricating).....	399			34,800		124.0	
Gasoline.....	36,156			3,254,047		124.0	
Kerosene.....	14,484			60,732		124.0	
Ores, metals, and manufactures of, except machinery and vehicles.....			5,840		281,283		
Copper scrap.....	89			18,000		28.0	
Copper manufactures.....		391		125,120		28.0	
Iron (pig and scrap).....		3,209		106,897		461.0	
Barytes ores.....	2,151			32,266		105.0	
Chemicals: Drugs and chemicals.....		589	589	50,500	50,500	105.0	
Unclassified: Ice.....		17,792	17,792	53,376	53,376	131.0	
Total.....	386,178	30,631	416,809		4,999,938		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals: Kerosene.....	586		586	23,700	23,700	34.0	
Ores, metals, and manufactures of, except machinery and vehicles: Lead (sheet, bars, etc.).....		653	653	65,300	65,300	34.0	4.4
Total.....	586	653	1,239		89,000		
Total receipts and shipments.....	935,690	369,626	1,305,316		95,271,370		

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....					7,202	\$2,473,677	7,202	\$2,473,677
Vegetable food products, oilseeds, expressed oils, and beverages.....					15,561	3,274,057	15,561	3,274,057
Other vegetable products, except fibers and wood.....					37,495	32,655,537	37,495	32,655,537
Textiles.....					13,549	7,912,517	13,549	7,912,517
Wood and paper.....	1,979	\$76,083	2,317	\$60,774	34,849	1,267,900	39,145	1,404,767
Nonmetallic minerals.....	6,946	66,302	366,214	530,103	747,933	21,761,452	1,121,093	22,357,857
Ores, metals, and manufactures of, except machinery and vehicles.....			606	184,000	17,945	2,419,664	18,550	2,603,664
Machinery and vehicles.....					507	99,310	507	99,310
Chemicals.....					19,974	4,408,264	19,974	4,408,264
Unclassified.....					41,165	18,224,115	41,165	18,224,115
Total.....	8,925	142,385	369,136	774,877	936,180	94,496,493	1,314,241	95,413,755

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri- can.	For- eign.	Arriv- als.	Depart- ures.	Least.	Great- est.	Least.	Great- est.
Registered:								
Steamers.....	4		237	237	99	278	6	9
Towboats.....	55		690	690	19	124	7	12
Sailing vessels.....	5	3	28	28	30	500	7	16
Canal boats, lighters, barges, etc..	620		1,459	1,459	15	1,000	2	14
Unregistered, canal boats, lighters, barges, etc.....	206		436	436	100	1,200	2	18

HACKENSACK RIVER, N. J.

Comparative statement.

Year.	Tons.	Value.	Year.	Tons.	Value.
1911.....	314,256	\$1,623,242	1916.....	696,391	\$3,731,867
1912.....	924,323	2,270,989	1917.....	1,417,263	6,715,847
1913.....	813,972	3,080,406	1918.....	1,841,548	10,228,032
1914.....	460,303	2,443,283	1919.....	2,053,142	10,861,696
1915.....	795,563	2,731,544	1920.....	1,011,707	12,374,047

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC:

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Wood and paper: Lumber and timber (sawed).....	282	.....	282	\$9,459	\$9,459	Miles. 330.0	Cents.
Nonmetallic minerals.....			66,631		215,253		
Building stone.....		1,564	.....	31,280		386.3	
Gravel.....	5,165	.....		7,652		54.5	1.3
Sand.....	45,646	.....		43,121		56.0	1.3
Paving blocks (stone).....		14,256	.....	133,200		386.3	
Ores, metals, and manufact- ures of, except machinery and vehicles: Iron-ore cinders.....	19,897	.....	19,897	46,170	46,170	23.5	.....
Unclassified: General mer- chandise.....		95	95	9,929	9,929	107.6	.....
Total.....	70,990	15,915	86,905	.....	280,811	.....	.....
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Coke	5,640	.....	5,640	61,801	61,801	137.6	1.5
RECEIPTS, INTRAPORT.							
Other vegetable products, except fiber and wood.....			912		197,945		
Rosin.....		605	.....	119,617		23.8	8.4
Palm oil.....		307	.....	78,328		30.7	
Textiles: Rags.....		770	770	52,538	52,538	37.0	.....
Wood and paper: Piles and logs.....		9,317	9,317	81,790	81,790	30.5	.....

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT—CON.						<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals			409,806		\$4,110,606		
Brick (building)	410			\$2,870		20.7	
Coal	342,254			2,450,132		15.0	4.5
Ashes	43,322			9,750		27.0	
Gasoline		7,606		780,574		22.0	
Kerosene		2,119		144,424		22.0	
Other petroleum prod- ucts		9,090		630,257		21.6	6.0
Crude and fuel oil	3,492			72,294		26.2	
Gas oil		1,513		40,305		7.9	
Ores, metals, and manufac- tures of, except machinery and vehicles			30,021		544,078		
Iron-ore cinders	18,022			43,971		23.5	
Iron oxide		750		13,000		7.2	
Steel manufactures		122		42,107		16.0	
Chrome ore	11,127			445,000		19.3	
Chemicals: Drugs and chemicals		8,108	8,108	121,620	121,620	10.5	19.0
Total	418,627	40,307	458,934		5,108,577		
SHIPMENTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair: Tallow		500	500	150,000	150,000	16.0	
Nonmetallic minerals			238,039		2,318,584		
Sand	189			280		20.9	
Crushed stone	21,466			36,525		17.2	
Coke	178,961			1,922,831		16.0	3.1
Coal tar		29,677		248,954		24.6	
Fuel oil		377		10,065		5.8	
Gas oil		1,513		40,305		14.4	
Tar oil		5,856		58,624		24.6	
Machinery and vehicles			6,061		2,007,600		
Automobiles		4,201		1,527,600		30.0	
Machinery		2,400		480,000		26.9	
Chemicals: Soap		1,097	1,097	256,104	256,104	23.8	
Unclassified: General mer- chandise		2,523	2,523	1,351,063	1,351,063	30.0	
Total	200,616	48,144	248,760		6,083,351		
RECEIPTS, INTERNAL.							
Nonmetallic minerals			171,642		431,123		
Brick (building)	3,685			30,308		65.5	
Crushed stone	99,575			150,500		69.5	
Riprap	882			315		69.5	
Sand (molding)	67,500			250,000		82.9	
Machinery and vehicles:							
Machinery		60	60	18,000	18,000	45.5	
Chemicals			2,138		73,761		
Chemicals		1,175		42,255		302.3	
Soda ash		963		31,506		300.0	
Total	171,642	2,198	173,840		522,884		
LOCAL.							
Nonmetallic minerals: Coke	37,628		37,628	316,623	316,623	1.0	
Total receipts and shipments	905,143	106,564	1,011,707		12,374,047		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animal and animal products, except wool and hair.....			500	\$150,000	500	\$150,000
Other vegetable products, except fiber and wood.....			912	197,945	912	197,945
Textiles.....			770	52,538	770	52,538
Wood and paper.....	282	\$9,459	9,317	81,790	9,599	91,249
Nonmetallic minerals.....	72,271	277,054	857,115	7,176,936	929,386	7,453,990
Ores, metals, and manufactures of, except machinery and vehicles....	19,897	46,170	30,021	544,078	49,918	590,248
Machinery and vehicles.....			6,661	2,026,600	6,661	2,026,600
Chemicals.....			11,343	451,485	11,343	451,485
Unclassified.....	95	9,929	2,523	1,351,063	2,618	1,360,992
Total.....	92,545	342,612	919,162	12,031,435	1,011,707	12,374,047

Vessel classification.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats.....	26	800	800	8	67	7	10
Sailing vessels.....	1	1			12		
Canal boats, lighters, barges, etc.....	1,038	1,654	1,654	400	1,700	7	16
Unregistered, canal boats, lighters, barges, etc.	65	75	78	500	800	8	10

ARTHUR KILL, N. Y. AND N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895.....	9,865,064	\$77,030,302	(1)	1908.....	15,995,231	\$239,395,113	(1)
1896.....	9,253,103	67,274,131	(1)	1909.....	15,629,768	249,114,846	(1)
1897.....	10,500,832	88,386,977	(1)	1910.....	15,930,332	230,449,455	(1)
1898.....	10,184,261	(1)	(1)	1911.....	17,800,977	283,352,020	(1)
1899.....	11,311,991	(1)	(1)	1912.....	30,525,094	515,437,656	(1)
1900.....	11,047,633	(1)	(1)	1914.....	32,140,264	477,993,429	(1)
1901.....	11,651,300	(1)	(1)	1915.....	28,288,936	499,328,730	(1)
1902.....	14,517,079	205,707,009	(1)	1916.....	31,993,180	914,219,538	(1)
1903.....	11,512,420	267,046,086	(1)	1917.....	29,678,191	1,078,460,430	(1)
1905.....	11,721,861	265,193,813	(1)	1918.....	30,591,273	1,004,094,167	(1)
1906.....	16,574,840	355,579,817	(1)	1919.....	31,254,459	501,473,149	1,517,800
1907.....	14,948,077	245,032,666	(1)	1920 ²	15,674,995	366,329,701	1,419,406

¹ No statistics available.² Exclusive of 6,476,392 tons cargoes in transit, valued at \$114,663,488, and 3,062 tons car-ferry traffic, valued at \$924,800.

The decrease in tonnage for the year 1920 is due mainly to the difference in the amount of coal reported. It is believed that the amount of coal reported for 1919 was erroneous. Figures are also exclusive of car-ferry traffic and cargoes in transit, previously included.

[Navigation season continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals.....		1,431,283		\$20,468,084
Asphalt.....	109,000		\$2,102,584	
Crude oil.....	317,750		4,015,000	
Fuel oil.....	1,004,533		14,350,500	
Ores, metals, and manufactures of, except machinery and vehicles.....		68,205		7,431,750
Copper ore.....	36,083		1,801,650	
Manganese ore.....	32,172		5,630,100	
Chemicals.....		11,051		1,080,520
Creosote oil.....	3,189		238,000	
Creosote.....	7,863		842,520	
Total.....		1,510,539		28,980,354
EXPORTS.				
Nonmetallic minerals; Coal.....	1,161	1,161	11,407	11,407
Chemicals; Fertilizer (chemical).....	38,658	38,658	2,102,985	2,102,985
Total.....		39,819		2,114,402
Total imports and exports.....		1,550,358		31,094,756

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animal and animal products, except wool and hair: Fish oil.		200	200	\$45,000	\$45,000	Miles. 91.0	Cents. 5.5
Wood and paper.			7,336		1,285,482		
Lumber and timber (sawed).		1,500		60,000		446.0	
Ties.		5,760		1,219,402		403.0	
Barrels (wood).		76		6,080		200.0	
Nonmetallic minerals.			228,204		359,066		
Building stone.		2,012		38,228		446.0	
Gravel.	65,864			97,553		52.5	1.4
Sand.	154,136			145,885		52.5	1.4
Paving blocks (stone).		6,192		77,400		446.0	
Chemicals.			231,494		6,528,266		
Phosphate rock.	130,459			1,031,952		910.0	
Fertilizer (chemical).	101,035			5,496,304		1,220.0	
Total.	451,494	15,740	467,234		8,217,804		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals.			2,186,827		32,760,717		
Asphalt.		1,489		52,561		80.0	
Brick (hollow tile).		412		10,500		54.0	
Brick (fire).		390		5,575		77.5	
Coal.	1,780,608			14,308,461		243.0	
Asbes.	38,390			No value.		30.0	
Lubricating oil.		9		1,250		70.0	
Gasoline.		75		7,500		70.0	
Kerosene.		207		10,200		55.0	
Other petroleum products.	353,611			18,084,279		243.0	
Gas oil.		11,521		276,503		80.0	
Mortar.		115		3,888		40.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, COASTWISE—CON.							
Ores, metals, and manu- factures of, except ma- chinery and vehicles.			3, 488		\$136, 034	Miles.	Cents.
Steel (ingot).....		488		\$46, 034		81.0	
Copper (sheet, bar, etc.)		3, 000		90, 000		201.0	
Chemicals.....			81, 944		5, 144, 768		
Chemicals.....		13, 161		1, 513, 515		350.0	
Fertilizer (chemical).....		68, 783		3, 631, 253		217.0	
Total.....	2, 172, 609	99, 650	2, 272, 259		38, 041, 519		
RECEIPTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair.			12, 992		5, 731, 210		
Fish.....		9		2, 700		11.0	
Oysters and clams.....		4		1, 200		11.0	
Leather goods.....		5		500		17.8	
Oyster shells.....		1, 164		2, 100		11.8	
Hides.....		5, 818		5, 236, 200		17.8	
Leather.....		5		100		17.8	
Tallow.....		675		164, 722		19.3	
Tankages.....		5, 010		274, 770		18.0	
Wax.....		302		48, 918		13.8	
Vegetable food products, oil seeds, expressed oils, and beverages.....			2, 557		781, 592		
Flour.....		361		36, 820		17.8	
Straw.....		7		272		19.6	
Linseed oil.....		1, 725		676, 000		25.0	
Miscellaneous foods.....		464		68, 500		15.8	
Other vegetable products, except fibers and wood.			3, 265		440, 853		
Turpentine.....		344		115, 500		18.7	
Pitch (insulating).....		169		16, 008		17.8	
Rosin.....		2, 752		309, 345		16.0	
Textiles.....			9, 966		1, 956, 362		
Dry goods.....		15		44, 606		19.6	
Cotton goods.....		472		223, 806		18.7	
Rope.....		26		11, 996		18.7	
Wool.....		33		32, 340		19.6	
Cotton (raw).....		868		520, 800		19.6	
Burlap.....		7, 946		1, 075, 406		16.9	
Fiber.....		100		13, 000		18.7	
Rags.....		506		34, 408		18.7	
Wood and paper.....			11, 309		575, 394		
Lumber and timber (sawed).....	9, 573			354, 257		16.5	57.7
Piles and logs.....		20		1, 600		13.6	
Wood pulp.....		1, 402		96, 168		17.8	
Barrels (wood).....		3		780		17.8	
Paper.....		311		122, 589		19.6	
Nonmetallic minerals.....			634, 826		14, 610, 312		
Asphalt.....		1, 148		39, 913		10.0	
Building brick.....		438		4, 805		12.0	
Lime.....		16		420		17.8	
Sand.....	3, 483			2, 700		12.0	
White sand.....	2, 000			1, 700		27.0	3.3
Salt.....		1		20		17.8	
Coal.....	137, 562			1, 105, 407		20.5	
Coke.....	154			1, 232		18.0	
Ashes.....	73, 144			10, 974		18.7	
Clay.....	1, 385			28, 850		18.0	
Lubricating oil.....	3, 755	5, 737		415, 956		16.4	
Miscellaneous oils.....		297		237, 900		19.6	
Gasoline.....		296		29, 405		2.0	
Kerosene.....		657		44, 803		5.0	
Other petroleum prod- ucts.....	214, 403	4, 284		6, 231, 350		11.9	
Chalk and whiting.....		50		900		17.8	
Sulphur.....	50, 858			994, 932		16.0	
Fuel oil.....		2, 607		152, 950		10.0	
Gas oil.....		107, 866		2, 588, 778		17.0	
Grease.....		20		4, 189		17.8	
Naptha.....		24, 665		2, 713, 128		17.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Ores, metals, and manufac- tures of, except machinery and vehicles.....			31,171		\$6,469,730	Miles.	Cents.
Copper ore.....	5,454			\$1,797,807		10.0	
Copper (ingot).....		3,795		1,172,100		18.7	4.3
Copper manufactures.....		6,873		2,502,895		18.4	
Iron ore.....	10,823			216,460		16.0	
Iron (pig and scrap).....	1,910			24,819		15.4	15.1
Iron (sheet, bar, etc.).....		7		476		17.8	
Cast-iron manufactures.....		47		14,131		17.8	
Steel manufactures.....		168		65,916		18.4	
Lead (sheet, bar, etc.).....		49		12,583		18.7	
Lead manufactures.....		4		1,727		18.7	
Other metals (sheet, bar, etc.).....		86		54,941		17.8	
Other metal manufac- tures.....		252		357,249		18.7	
Pipe (wrought-iron).....		253		65,640		18.7	
Pipe (cast-iron).....		1		150		17.8	
Hardware.....		367		81,382		18.7	
Drums and barrels (steel).....		1,082		101,454		17.6	
Machinery and vehicles.....			585		151,189		
Engines and machinery.....		455		114,389		15.8	
Ship gear.....		130		36,800		13.9	
Chemicals.....			265,011		11,454,320		
Alcohol and products.....		4		1,078		18.7	
Chemicals.....		225,706		8,782,903		16.2	
Coal tar.....		55		2,861		19.6	
Fertilizer (chemical).....		38,980		2,641,650		17.8	
Paint.....		266		25,828		19.6	
Unclassified: General mer- chandise.....		35,401	35,401	9,089,249	9,089,249	15.9	25.6
Total.....	514,504	492,579	1,007,083		51,260,211		
SHIPMENTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair.....			29,508		3,161,705		
Hides.....		1,206		1,085,400		17.8	
Leather.....		136		155,040		17.8	
Tallow.....		750		225,000		17.8	
Wax.....		27,416		1,696,265		16.2	
Vegetable food products, oil- seeds, expressed oils and beverages.....			7,277		1,593,135		
Fruit.....		78		9,351		17.8	
Cottonseed oil.....		7,199		1,583,784		18.7	7.5
Other vegetable products, except fibers and wood.....			285		53,567		
Rosin.....		1		1,153		17.8	
Rosin oil.....		284		52,414		17.8	
Textiles: Burlap.....		429	429	31,460	31,460	19.6	
Wood and paper.....			8,927		410,205		
Lumber and timber (sawed).....	1,627			59,066		10.0	
Piles or logs.....		2,600		26,000		5.0	
Ties.....	2,850			42,600		5.0	
Barrels (wood).....		1,850		282,539		17.8	
Nonmetallic minerals.....			9,164,360		124,283,486		
Asphalt.....		51,327		1,488,432		22.5	6.1
Brick (building).....	152			1,976		14.4	
Brick (hollow tile).....	12,926			244,524		19.6	8.4
Brick (fire).....		5,049		76,933		18.0	
Sand.....	30,584			30,500		19.1	
Paving blocks (asphalt).....		2,361		24,500		19.1	
Clay manufactures.....		1,787		71,480		17.8	
Coal.....	7,458,359			59,933,241		20.5	
Coke.....	27,572			275,720		19.1	
Clay.....	1,122			13,476		16.8	
Lubricating oil.....		53,943		3,944,376		15.6	26.8

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT—continued.							
Nonmetallic minerals—Con.						Miles.	Cents.
Gasoline.....		130,008		\$13,000,831		17.3	
Kerosene.....		71,788		4,477,966		17.3	
Other petroleum products.....	898,516	97,144		30,879,554		17.3	
Fuel oil.....		87,559		4,156,381		17.3	
Gas oil.....		237,512		5,471,576		21.9	
Grease.....		1,651		192,020		15.9	
Ores, metals, and manufactures of, except machinery and vehicles.....			64,398		\$19,225,540		
Copper (sheet, bar, etc.).....		380		155,655		13.9	
Copper (ingot).....		200		69,400		10.0	
Copper manufactures.....		37,355		13,228,785		17.8	
Iron oxide.....		7,385		126,930		17.8	
Steel (ingots).....		6,337		506,980		17.8	9.3
Steel manufactures.....		7,800		3,120,000		17.8	
Lead (sheet, bar, etc.).....		3,119		525,476		13.9	
Other metals (sheet, bar, etc.).....		197		32,132		12.7	
Drums and barrels (steel).....		1,625		1,460,202		10.0	
Machinery and vehicles.....			15,625		4,774,037		
Engines and machinery.....		838		364,384		15.4	
Launches.....		23		15,000		15.5	
Sewing machines.....		14,718		4,387,703		17.8	
Ship gear.....		46		6,950		17.8	
Chemicals.....			350,703		40,873,856		
Chemicals.....		192,098		15,434,542		16.8	
Coal tar.....	3,279	340		69,319		13.9	
Fertilizer (chemical).....		89,767		6,539,287		17.2	
Soap.....		50,328		16,668,128		18.7	
Varnish.....		5,691		2,162,580		19.6	
Unclassified: General merchandise.....		52,538	52,538	11,601,170	11,601,170	19.6	9.8
Total shipments, intraport.....	8,431,987	1,262,063	9,694,050		206,068,161		
RECEIPTS, INTERNAL.							
Wood and paper: Lumber and timber (sawed).....	11,209		11,209	399,888	399,888	135.0	
Nonmetallic minerals.....			131,215	224,275			
Crushed stone.....	115,749			178,000		48.0	
Clay.....	523			2,540		161.0	
Molding sand.....	14,943			43,735		161.0	
Ores, metals and manufactures of, except machinery and vehicles: Iron (pig and scrap).....	4,939		4,939	162,987	162,987	161.0	
Total.....	147,363		147,363		787,150		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals.....			346,237		21,380,428		
Asphalt.....		12,047		120,120		191.0	0.6
Brick (hollow-tile).....	206			4,724		43.3	
Coal.....	92,827			745,929		50.0	
Gasoline.....		165,937		16,593,671		76.6	
Kerosene.....		593		23,700		33.4	
Other petroleum products.....	66,507			3,696,918		118.0	
Gas oil.....		8,120		195,366		43.0	
Ores, metals and manufactures of, except machinery and vehicles.....			13,333		4,372,761		
Copper (ingot).....		1,548		542,500		36.0	
Copper manufactures.....		1,701		602,498		183.0	
Lead, (sheet, bar, etc.).....		225		35,000		36.0	
Other metals (sheet, bar etc.).....		37		6,375		36.0	
Pig tin.....		12		11,298		36.0	
Copper (sheet, tin, etc.).....		9,810		3,175,090		106.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTERNAL—CON.							
Chemicals.....			4,648		\$453,602	<i>Miles.</i>	<i>Cents.</i>
Chemicals.....		3,848		\$410,082		36.0	
Fertilizer (chemical).....		800		43,520		294.0	
Total.....	1,159,540	204,678	364,218		26,206,791		
LOCAL.							
Wood and paper: Lumber and timber (sawed).....	1,020		1,020	52,400	52,400	2.0	
Nonmetallic minerals.....			132,059		1,548,877		
Brick (fire).....		17		400		2.0	
Paving blocks (stone).....		866		2,500		9.0	
Coal.....	116,480			685,542		6.0	
Lubricating oil.....	197			8,135		6.0	
Gasoline.....		1,333		133,310		11.0	
Kerosene.....		1,116		76,056		11.0	
Fuel oil.....		12,050		642,934		3.5	
Ore, metals, and manu- factures of, except machinery and vehi- cles.....			3,760		1,285,452		
Copper (sheet, iron, etc.).....		568		170,400		4.5	40.0
Copper manufactures.....		3,123		1,105,592		11.0	
Barrels (steel).....		69		9,460		1.0	
Machinery and vehicles.....			600		136,000		
Ship gear.....		220		34,000		14.0	
Engines and machinery.....		380		102,000		1.5	
Chemicals.....			34,991		1,600,580		
Chemicals.....		23,996		972,749		7.2	
Fertilizer (chemical).....		10,995		627,831		3.5	
Total, local.....	117,697	54,733	172,430		4,623,309		
Total receipts and shipments.....	11,995,194	2,129,443	14,124,637		335,234,945		

Cargoes in transit.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair:			Nonmetallic minerals—Continued.		
Leather goods.....	348	\$174,000	Other petroleum products.....	3,894	\$390,483
Manure.....	2,000	10,000	Chalk and whiting....	230	7,130
Vegetable food products, oilseeds, expressed oils, and beverages:			Sulphur.....	151	3,020
Grain.....	94	4,500	Fire clay.....	100	1,280
Sugar.....	254	76,200	Fuel oil.....	1,936	12,660
Miscellaneous foods.....	15	3,000	Miscellaneous oils.....	440	117,392
Other vegetable products, except fibers and wood:			Ores, metals, and manufactures of, except machinery and vehicles:		
Rubber goods.....	393	314,400	Copper (sheet, bar)...	13	\$3,900
Cigars and tobacco....	337	505,500	Copper ingot.....	500	150,000
Turpentine.....	2,204	61,432	Copper manufactures..	256	76,800
Rubber (crude).....	2,236	670,800	Iron (pig and scrap)...	800	26,400
Pitch.....	233	4,660	Steel (sheet, bar, etc.)..	99	7,920
Textiles:			Steel ingots.....	217	31,886
Dry goods.....	94	56,400	Steel manufactures....	1,464	878,284
Cotton goods.....	1,622	648,800	Wire (iron and steel)...	588	159,348
Cotton (raw).....	1,861	366,600	Lead (sheet, bar, etc.)..	54	8,910
Burlap.....	15	3,825	Lead manufactures....	21	9,000
Felt.....	8,422	819,828	Other metals (sheet, bar, etc.).....	2,170	236,911
Wood and paper:			Other metal manufactures.....	1,296	964,500
Lumber and timber (sawed).....	190	99,232	Pipe (wrought iron)...	636	31,800
Wood pulp.....	4	500	Pipe (cast iron).....	797	70,049
Paper.....	2,154	118,470	Hardware.....	233	58,250
Nonmetallic minerals:			Barytes ore.....	2,151	32,266
Asphalt.....	1,890	43,520	Barrels (steel).....	7,451	840,426
Building brick.....	12,235	129,078	Pig tin.....	112	111,398
Brick (hollow tile)...	67,068	1,127,157	Machinery and vehicles:		
Brick (fire).....	8,278	191,044	Engines and machinery.....	656	131,200
Cement.....	11,870	198,631	Ship's gear.....	30	7,200
Gravel.....	9,646	15,555	Chemicals:		
White sand.....	1,012	1,500	Chemicals.....	9,939	1,141,662
Sand.....	179,366	181,250	Potash.....	19	9,500
Fire sand.....	142	610	Coal tar.....	317	34,848
Crushed stone.....	23,336	34,826	Creosote oil.....	600	32,160
Paving blocks (asphalt).....	2,000	15,000	Paint.....	306	89,060
Clay manufactures....	3,087	70,942	Soap.....	245	23,275
Coal.....	5,843,087	46,953,378	Unclassified:		
Clay.....	17,601	120,255	General merchandise..	20,569	4,894,800
Coke.....	717	11,145	Ordnance.....	11,805	35,415,000
Molding sand.....	6,863	32,924			
Lubricating oil.....	113,461	8,973,274			
Gasoline.....	66,850	5,833,607			
Kerosene.....	15,243	802,917			
			Total.....	6,476,392	114,663,488

Cargoes in transit—Continued.
SUMMARY.

Class of commodities.	Foreign.			Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.		Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	
Animals and animal products, except wool and hair.....					200	\$45,000	42,500	\$8,892,915	\$8,937,915
Vegetable food products, oilseeds, expressed oils and beverages.....							9,834	2,374,727	2,374,727
Other vegetable products, except fibers and wood.....							3,550	494,420	494,420
Textiles.....							10,395	1,987,822	1,987,822
Wood and paper.....					7,326	1,285,452	32,445	1,437,857	2,723,369
Nonmetallic minerals.....	1,431,263	\$20,468,064	1,161	\$11,407	2,415,031	33,119,783	10,406,697	162,047,378	215,646,652
Crus, metals, and manufactures of, except machinery and vehicles.....	68,205	7,431,750			3,488	136,034	117,601	31,516,470	39,084,254
Machinery and vehicles.....	11,051	1,080,520	38,658	2,102,995	313,438	11,673,024	16,810	5,061,226	5,061,226
Chemicals.....							655,353	54,382,358	69,238,997
Unclassified.....							87,939	20,780,419	20,780,419
Total.....	1,510,539	28,980,354	39,819	2,114,402	2,739,463	46,259,323	11,385,144	288,975,922	366,329,701
									Value.
								Short tons.	
Car ferry.....								3,082	\$924,400
Cargoes in transit.....								6,476,392	114,663,488

Vessels built and launched.

Class.	Number.	Tonnage.	Value.
Steamers.....	2	10, 200	\$1, 960, 000
Oil barges.....	3	2, 364	630, 000
Towboats.....	2	100	10, 000
Coal barges.....	4	3, 500	60, 000
Deck barges.....	1	600	12, 000
Derrick lighter.....	1	600	20, 000
Covered barges.....	2	1, 400	30, 000

The following vessels visited repairs yards on this waterway:

Class.	Number.		Arriv-als.	Depart-ures.	Ton-nage.	Draft (feet).	
	Ameri-can.	For-eign.				Least.	Great-est.
Towboats.....	175	10	185	185	100	6	17
Sailing vessels.....	350	20	370	370	800	16	23
Canal boats, etc.....	200		200	200	500	8	20
Sailing vessels.....	100		100	100	400	5	10
Canal boats, etc.....	45		45	45	25	4	6

Vessel classification.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri-can.	For-eign.	Arriv-als.	Depart-ures.	Least.	Great-est.	Least.	Great-est.
Registered:								
Steamers.....	71	19	2, 365	2, 365	88	6, 964	3	23
Towboats.....	229		13, 598	13, 598	5	418	6	18
Sailing vessels.....	35		131	131	26	1, 200	3	14
Canal boats, lighters, barges, etc.....	3, 955		35, 288	35, 288	25	2, 550	2	19
Miscellaneous craft.....	48		521	521	10	754	4	13
Ferryboats.....	2		17, 159	17, 159	91	290	6	6
Car floats.....	11		11	11	1, 200	1, 600	4	6
Unregistered, canal boats, lighters, barges, etc.....	271		5, 506	5, 506	25	750	2	12

Passengers carried, 1,419,408.

CHANNEL NORTH OF SHOOTERS ISLAND BETWEEN NEW YORK AND NEW JERSEY.

This is a connecting channel between Arthur Kill, Newark Bay, and Kill van Kull, and the commerce to be benefited is a part of the total Arthur Kill tonnage, which in 1920 amounted to 22,154,469 short tons valued at \$481,917,789, and which includes the commerce of Newark Bay and its tributaries and other tributaries of Arthur Kill. (See commercial statistics for Arthur Kill.) The limit of draft for loaded boats in this channel is 10 feet at mean low water.

ELIZABETH RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893.....	28,554	(1)	1907.....	20,053	\$87,322
1894.....	28,554	\$150,356	1908.....	31,825	190,298
1895.....	21,630	(1)	1909.....	30,242	217,877
1896.....	36,066	(1)	1910.....	51,099	713,035
1897.....	28,865	(1)	1913.....	38,716	859,814
1900.....	40,000	(1)	1914.....	29,103	530,724
1901.....	29,495	(1)	1915.....	28,383	691,027
1902.....	40,250	278,477	1916.....	29,514	1,018,742
1903.....	37,136	211,410	1917.....	18,402	900,503
1904.....	36,336	193,894	1918.....	12,468	904,382
1905.....	28,887	247,717	1919.....	19,909	181,292
1906.....	43,255	352,784	1920.....	11,759	962,610

¹ No statistics available.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
INTRAPORT SHIPMENT.							
Textiles: Asphalt felt.....		8,422	8,422	\$819,828	\$819,828	Miles. 13.4	Cents. 11.2
Wood and paper.....			3,020		106,934		
Lumber and timber (sawed).....	3,000			105,334		10.2	
Piles.....		20		1,600		10.2	
Chemicals: Coal tar.....		317	317	35,848	35,848	17.4	4.0
Total.....	3,000	8,759	11,759		962,610		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Textiles.....	8,422	\$819,828
Wood and paper.....	3,020	106,934
Chemicals.....	317	35,848
Total.....	11,759	962,610

Vessel classification, 1920.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered canal boats, lighters, barges, etc....	21	56	56	25	500	5	7

WOODBIDGE CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1882.....	116,154	(¹)	1910.....	129,676	\$675,000
1883.....	112,068	\$834,000	1911.....	128,560	680,825
1887.....	126,000	(¹)	1912.....	115,097	664,940
1898.....	176,000	(¹)	1913.....	187,051	747,839
1902.....	134,377	1,130,426	1914.....	59,029	583,374
1903.....	155,751	728,217	1915.....	67,610	305,740
1904.....	165,313	1,143,658	1916.....	66,387	572,865
1905.....	160,194	1,018,198	1917.....	39,309	353,546
1906.....	167,392	1,128,237	1918.....	21,869	2,134,074
1907 ²	151,671	1,071,548	1919.....	95,274	2,265,259
1908.....	163,120	791,700	1920.....	27,121	1,272,120
1909.....	116,459	587,164			

¹ No statistics available.² Tonnage reported since 1917 in short tons; previous reports in long tons.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Clay.....	761	.....	761	\$3,732	\$3,732	Miles. 100.7	Cents.
RECEIPTS, INTRAPORT.							
Wood and paper: Lumber and timber (sawed).....	100	.....	100	1,000	1,000	12.1	.....
Nonmetallic minerals.....			1,279		30,979		
Oil (lubricating).....		2		300		13.5	
Gasoline.....		1		60		13.5	
Other petroleum products.....		1,276		30,619		27.9	
Ores, metals, and manufactures, except machinery and vehicles: Other metals (sheet and bars).....		962	962	10,000	10,000	22.0	.....
Total.....	100	2,241	2,341		41,979		
SHIPMENTS, INTRAPORT.							
Wood and paper.....			6,510		837,018		
Barrels (empty) wood.....		6,510		837,018		13.5	
Nonmetallic minerals.....			17,509		389,391		
Asphalt.....		1,290		36,120		24.8	
Brick (hollow tile).....		9,790		213,788		25.4	5.5
Brick (fire).....		5,642		132,184		21.3	
Cement.....		787		7,299		23.7	11.8
Total.....		24,019	24,019		1,226,409		
Total receipts and shipments.....	861	26,260	27,121		1,272,120		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Wood and paper.....			6,610	\$338,018	6,610	\$338,018
Nonmetallic minerals.....	761	\$3,732	18,788	420,370	19,549	424,102
Ores, metals, and manufactures of, except machinery and vehicles.....			962	10,000	962	10,000
Total.....	761	3,732	26,360	1,268,388	27,121	1,272,120

Vessel classification, 1920.

Class.	Number of vessels, Ameri- can.	Total.		Tonnage of vessels.		Draft (feet).	
		Arriv- als.	Depart- ures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	1	1	1		141		8
Canal boats, lighters, barges, etc.....	53	125	125	150	350	4	7
Unregistered: Canal boats, lighters, barges, etc	4	7	7		300		7

RARITAN BAY, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	3,845,866	(¹)	1906.....	8,729,748	\$136,550,115
1895.....	3,888,95	\$33,330,186	1909.....	8,283,339	107,829,053
1896.....	4,629,514	(¹)	1910.....	9,168,913	132,234,295
1897.....	4,852,775	(¹)	1911.....	10,078,774	149,933,596
1898.....	5,552,474	(¹)	1912.....	10,418,105	150,100,526
1899.....	6,507,002	(¹)	1913.....	10,500,337	152,691,821
1900.....	6,537,777	(¹)	1914.....	9,751,484	137,264,383
1901.....	4,722,046	49,310,429	1915.....	10,137,890	137,298,379
1902.....	5,453,122	56,712,469	1916.....	10,065,637	220,896,132
1903.....	4,484,152	101,842,455	1917.....	9,368,466	250,078,611
1905.....	5,296,86	125,915,972	1918.....	12,489,330	283,856,730
1906.....	6,432,245	114,358,610	1919.....	7,047,636	503,195,319
1907.....	7,424,114	139,228,344	1920 ²	5,993,567	54,156,706

¹ No statistics available.² Exclusive of 1,551,833 tons, cargoes in transit, valued at \$144,918,818.

Passengers carried, 426,600 in 1917, and 315,000 in 1918.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mils.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oysters and clams..	2,425	.....	2,425	\$44,152	\$44,152	Miles. 79.1	Cents. 2.4
SHIPMENTS, COASTWISE.							
Nonmetallic minerals.....			1,348,282		12,125,496		
Coal.....	1,345,268	.....		12,107,412			
Molding sand.....	3,014	.....		18,084		210.0	
Total.....	1,348,282	.....	1,348,282		12,125,496		
RECEIPTS, INTRAPORT.							
Animals and animal products, except wool and hair: Manure.....	1,680	.....	1,680	6,720	6,720	25.2	
SHIPMENTS, INTRAPORT.							
Animals and animal products, except wool and hair: Oysters and clams..		5,500	5,500	190,000	190,000	28.0	
Nonmetallic minerals.....		72	4,576,257		41,170,289		
Clay manufactures.....				1,200		35.4	
Coal.....	4,570,660	.....		41,135,940		26.2	2.7
Clay.....	1,761	.....		14,329		26.4	
Molding sand.....	3,764	.....		18,820		27.9	
Ores, metals, and manufactures, except machinery and vehicles: Tin.....		653	653	88,711	88,711	23.0	
Machinery and vehicles: machinery.....		7	7	1,265	1,265	18.8	
Total.....	4,576,185	6,232	4,582,417		41,450,265		
RECEIPTS, INTERNAL.							
Wood and paper.....			369		7,962		
Lumber and timber (sawed).....		185		6,510		200.8	1.1
Sawdust.....		184		1,452		200.8	
Total.....		369	369	7,962			
SHIPMENTS, INTERNAL.							
Nonmetallic minerals.....			58,394		522,111		
Fire sand.....	142	.....		610		68.2	
Coal.....	57,390	.....		516,510		81.4	
Fire clay.....	862	.....		4,991		68.2	
Total.....	58,394	.....	58,394		522,111		
Total receipts and shipments.....	5,986,966	6,601	5,993,567		54,156,706		

Cargoes in transit.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair:			Nonmetallic minerals—Continued.		
Fish.....	9	\$2,700	Chalk and whiting....	230	\$6,900
Oysters and clams.....	4	135	Sulphur.....	151	3,775
Leather goods.....	348	174,000	Creosote.....	8,463	874,680
Oyster shells.....	1,164	2,100	Crude oil.....	317,749	4,015,000
Manure.....	3,048	14,614	Fire clay.....	100	1,260
Fish oils.....	188	45,000	Fuel oil.....	1,995	133,015
Vegetable food products, oil seeds, expressed oils, and beverages:			Miscellaneous oils.....	440	117,392
Vegetable.....	2,288	53,550	Ores, metals, and manufactures, except machinery and vehicles:		
Grain.....	94	12,000	Copper ore.....	36,033	1,801,650
Sugar.....	254	76,200	Copper (sheet, bar, etc.)	61,406	21,491,497
Miscellaneous food.....	15	3,000	Copper (ingot).....	28,169	9,010,385
Other vegetable products, except fibers and wood:			Copper manufactures.....	256	76,800
Rubber goods.....	393	98,250	Iron (pig and scrap).....	800	26,400
Pitch.....	233	4,660	Steel (ingots).....	99	13,880
Rubber (crude).....	2,236	1,118,000	Steel manufactures.....	1,492	963,284
Turpentine.....	2,279	61,432	Wire (iron and steel).....	588	8,820
Textiles:			Lead (sheet, bar, etc.)	54	9,180
Dry goods.....	94	103,400	Lead manufactures.....	21	9,000
Cotton goods.....	1,624	225,800	Other metals (sheet, bar, etc.)	555	443,200
Rope.....	5	2,000	Other metal manufactures:		
Cotton (raw).....	1,861	1,116,600	Pipes (cast iron).....	1,433	208,805
Burlap.....	115	29,325	Hardware.....	558	130,500
Wood and paper:			Manganese ore.....	32,172	5,630,100
Lumber and timber (sawed).....	574	121,132	Pig tin.....	112	9,140
Ties.....	57,598	1,219,402	Steel drums.....	14	4,260
Wood pulp.....	4	500	Machinery and vehicles:		
Cork.....	50	5,000	Engines and machinery.....	5,406	4,582,908
Paper.....	2,154	118,195	Automobiles.....	4	37,500
Nonmetallic minerals:			Airplanes.....	29	585,000
Asphalt.....	48,567	621,978	Flying boats.....	3	300,000
Brick (building).....	15,500	163,744	Chemicals:		
Brick (hollow tile).....	57,278	914,217	Phosphate rock.....	130,331	1,030,928
Brick (fire).....	3,015	62,777	Chemicals.....	9,968	1,327,172
Cement.....	11,083	191,332	Potash.....	19	9,500
Gravel.....	9,645	15,555	Fertilizer.....	161,054	8,761,536
Sand.....	164,499	192,850	Ammunition.....	17,475	17,475,000
White sand.....	3,012	3,200	Paint.....	305	89,060
Crushed stone.....	23,335	34,826	Soap.....	245	23,520
Paving blocks (stone).....	2,000	23,333	Unclassified:		
Paving blocks (asphalt).....	1,236	10,324	Lifeboats.....	27	20,000
Coal.....	70,186	641,994	General merchandise.....	16,786	5,166,300
Coke.....	717	11,145	Rafts.....	18	4,000
Clay.....	14,745	74,259	Life preservers.....	50	20,000
Molding sand.....	4,818	31,292	Boat equipments.....	15	10,000
Clay manufactures.....	3,067	66,741	Ordnance.....	11,805	35,415,000
Lubricating oil.....	116,489	9,172,674	Total.....	1,551,833	144,918,818
Gasoline.....	74,233	6,409,381			
Kerosene.....	17,263	917,303			
Other petroleum products.....	5,806	597,864			

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oysters and clams..	2,425	.....	2,425	\$44,152	\$44,152	Miles. 79.1	Cents. 2.4
SHIPMENTS, COASTWISE.							
Nonmetallic minerals.....			1,348,282		12,125,496		
Coal.....	1,345,288			12,107,412			
Molding sand.....	3,014			18,084		210.0	
Total.....	1,348,282		1,348,282		12,125,496		
RECEIPTS, INTRAPORT.							
Animals and animal products, except wool and hair: Manure.....	1,680	.....	1,680	6,720	6,720	25.2	.....
SHIPMENTS, INTRAPORT.							
Animals and animal products, except wool and hair: Oysters and clams.....		5,500	5,500	190,000	190,000	28.0	
Nonmetallic minerals.....		72	4,576,257		41,170,289		
Clay manufactures.....				1,200		35.4	
Coal.....	4,570,660			41,135,940		26.2	2.7
Clay.....	1,761			14,329		26.4	
Molding sand.....	3,764			18,820		27.9	
Ores, metals, and manufactures, except machinery and vehicles: Tin.....		653	653	88,711	88,711	23.0	
Machinery and vehicles: machinery.....		7	7	1,265	1,265	18.8	
Total.....	4,576,185	6,232	4,582,417		41,450,265		
RECEIPTS, INTERNAL.							
Wood and paper.....			369		7,962		
Lumber and timber (sawed).....		185		6,510		200.8	1.1
Sawdust.....		184		1,452		200.8	
Total.....		369	369	7,962			
SHIPMENTS, INTERNAL.							
Nonmetallic minerals.....			58,394		522,111		
Fire sand.....	142			610		68.2	
Coal.....	57,390			516,510		81.4	
Fire clay.....	862			4,991		68.2	
Total.....	58,394		58,394		522,111		
Total receipts and shipments.....	5,986,966	6,601	5,993,567		54,156,706		

Cargoes in transit.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair:			Nonmetallic minerals—Continued.		
Fish.....	9	\$2,700	Chalk and whiting....	230	\$6,900
Oysters and clams....	4	135	Sulphur.....	151	3,775
Leather goods.....	348	174,000	Creosote.....	8,463	874,680
Oyster shells.....	1,164	2,100	Crude oil.....	317,749	4,015,000
Manure.....	3,048	14,614	Fire clay.....	100	1,260
Fish oils.....	188	45,000	Fuel oil.....	1,995	133,015
Vegetable food products, oil seeds, expressed oils, and beverages:			Miscellaneous oils.....	440	117,392
Vegetable.....	2,288	53,550	Ores, metals, and manufactures, except machinery and vehicles:		
Grain.....	94	12,000	Copper ore.....	36,033	1,801,650
Sugar.....	254	76,200	Copper (sheet, bar, etc.)	61,406	21,491,497
Miscellaneous food....	15	3,000	Copper (ingot).....	28,169	9,010,385
Other vegetable products, except fibers and wood:			Copper manufactures...	256	76,800
Rubber goods.....	393	98,250	Iron (pig and scrap)...	800	26,400
Pitch.....	233	4,660	Steel (ingots).....	99	13,860
Rubber (crude).....	2,236	1,118,000	Steel manufactures...	1,492	963,284
Turpentine.....	2,279	61,432	Wire (iron and steel)...	588	8,820
Textiles:			Lead (sheet, bar, etc.)	54	9,180
Dry goods.....	94	103,400	Lead manufactures...	21	9,000
Cotton goods.....	1,624	225,800	Other metals (sheet, bar, etc.)	555	443,200
Rope.....	5	2,000	Other metal manufactures...	1,287	307,207
Cotton (raw).....	1,861	1,116,600	Pipe (cast iron).....	1,433	208,805
Burlap.....	115	29,325	Hardware.....	558	130,500
Wood and paper:			Manganese ore.....	32,172	5,630,100
Lumber and timber (sawed).....	574	121,132	Pig tin.....	112	9,140
Ties.....	57,598	1,219,402	Steel drums.....	14	4,260
Wood pulp.....	4	5,000	Machinery and vehicles:		
Cork.....	50	5,000	Engines and machinery.....	5,406	4,582,908
Paper.....	2,154	118,195	Automobiles.....	4	37,500
Nonmetallic minerals:			Airplanes.....	29	585,000
Asphalt.....	48,567	621,978	Flying boats.....	3	300,000
Brick (building).....	15,500	163,744	Chemicals:		
Brick (hollow tile)....	57,278	914,217	Phosphate rock.....	130,331	1,030,928
Brick (fire).....	3,015	62,777	Chemicals.....	9,968	1,327,172
Cement.....	11,083	191,332	Potash.....	19	9,500
Gravel.....	9,645	15,555	Fertilizer.....	161,054	8,761,336
Sand.....	164,499	192,950	Ammunition.....	17,475	17,475,000
White sand.....	3,012	3,200	Paint.....	305	89,060
Crushed stone.....	23,335	34,826	Soap.....	245	23,520
Paving blocks (stone)...	2,000	23,333	Unclassified:		
Paving blocks (asphalt).....	1,236	10,324	Lifeboats.....	27	20,000
Coal.....	70,186	641,994	General merchandise...	16,786	5,166,300
Coke.....	717	11,145	Rafts.....	18	4,000
Clay.....	14,745	74,259	Life preservers.....	50	20,000
Molding sand.....	4,818	31,292	Boat equipments.....	15	10,000
Clay manufactures....	3,057	69,741	Ordnance.....	11,805	35,415,000
Lubricating oil.....	115,489	9,172,674	Total.....	1,551,833	144,918,818
Gasoline.....	74,233	6,409,381			
Kerosene.....	17,263	917,303			
Other petroleum products.....	5,806	597,864			

Cargoes in transit—Continued.

SUMMARY.

Class of commodities.	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	2, 425	\$44, 152	7, 180	\$196, 720	9, 605	\$240, 872
Wood and paper.....			369	7, 962	369	7, 962
Nonmetallic minerals.....	1, 348, 282	12, 125, 496	4, 634, 651	41, 692, 400	5, 982, 933	53, 817, 896
Ores, metals, and manufactures, except machinery and vehicles.....			653	88, 711	653	88, 711
Machinery and vehicles.....			7	1, 265	7	1, 265
Total.....	1, 350, 707	12, 169, 648	4, 642, 860	41, 987, 058	5, 993, 567	54, 156, 706

Cargoes in transit, short tons, 1,551,833; value, \$144,918,318.

Vessel classification, 1920.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri-can.	For-eign.	Arriv-als.	Depart-ures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers.....	36	18	761	761	113	6, 964	6	23
Towboats.....	72		6, 693	6, 693	14	225	6	15
Sailing vessels.....	17		88	88	26	100	4	9
Canal boats, lighters, barges, etc..	996		15, 893	15, 893	30	2, 560	2	17
Miscellaneous craft.....	24		405	405	10	754	4	13
Unregistered, canal boats, lighters, barges, etc.....	203		5, 363	5, 363	100	750	2	11

RARITAN RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	1, 661, 425	(¹)	1907.....	725, 690	\$32, 678, 472
1892.....	1, 121, 302	(¹)	1908.....	918, 302	26, 401, 439
1893.....	1, 446, 658	(¹)	1909.....	936, 533	48, 504, 916
1894.....	1, 138, 692	(¹)	1910.....	963, 473	53, 355, 340
1895.....	975, 101	\$15, 844, 469	1911.....	1, 100, 851	64, 441, 303
1896.....	1, 136, 974	(¹)	1912.....	1, 177, 157	64, 938, 510
1897.....	1, 218, 752	(¹)	1913.....	1, 243, 923	73, 175, 177
1898.....	1, 253, 972	29, 301, 474	1914.....	1, 034, 853	63, 133, 228
1899.....	1, 528, 391	28, 957, 303	1915.....	1, 102, 594	69, 156, 343
1900.....	1, 476, 645	33, 446, 582	1916.....	1, 126, 770	148, 893, 788
1901.....	1, 266, 950	15, 550, 539	1917.....	824, 614	131, 391, 056
1902.....	1, 228, 791	15, 052, 690	1918.....	777, 213	130, 140, 335
1903.....	1, 020, 420	19, 351, 776	1919.....	1, 375, 945	272, 664, 878
1905.....	603, 197	16, 895, 433	1920 ²	522, 524	93, 196, 606
1906.....	730, 666	17, 377, 645			

¹ No statistics available.² Exclusive of 280,021 tons, cargoes in transit, valued at \$19,157,743.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals:						Miles.	Cents.
Gravel.....	5,416		5,416	\$9,289	\$9,289	70.0	
SHIPMENTS, COASTWISE.							
Nonmetallic minerals.....			5,435		49,604		
Brick (building).....	3,716			41,009		89.0	2.2
Molding sand.....	1,719			8,595		212.4	.9
Total shipments, coast- wise.....	5,435		5,435		49,604		
RECEIPTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair:		19	19	9,500	9,500	29.0	
Leather goods.....							
Vegetable food products, oil seeds, expressed oils, and beverages.....			622		150,319		
Sugar.....		254		62,230		29.0	
Miscellaneous foods.....		15		3,000		29.0	
Miscellaneous oils.....		353		94,089		29.0	
Other vegetable products, except fibers and wood.....			2,543		1,194,160		
Rubber goods.....		116		92,800		29.0	
Turpentine.....		2		700		29.0	
Rubber (crude).....		2,192		1,096,000		29.0	
Pitch.....		233		4,660		29.0	
Textiles.....			3,395		1,031,195		
Dry goods.....		65		71,500		29.0	
Cotton goods.....		1,466		586,400		29.0	
Cotton, (raw).....		1,855		371,000		29.0	
Bags and bagging.....		9		2,295		29.0	
Wood and paper.....			1,552		85,365		
Wood pulp.....		4		500		29.0	
Paper and cardboard.....		1,548		84,865		29.0	
Nonmetallic minerals.....			17,542		326,610		
Asphalt.....		1,040		20,000		26.0	
Brick (building).....	68			765		1.3	
Coal.....	13,670			83,945		2.7	
Clay.....	373			10,000		29.0	
Oil (lubricating).....		2,024		198,150		29.0	35.2
Chalk and whiting.....		230		6,900		29.0	
Sulphur.....		137		6,850		29.0	
Ores, metals, and manufac- tures, except machinery and vehicles.....			29,327		9,246,129		
Copper (sheet, bar, wire).....		13		3,900		29.0	
Copper (ingots).....	27,609			8,860,385		29.0	
Steel (ingots, sheets, bars).....		97		13,580		29.0	
Wire (iron or steel).....		44		660		29.0	
Lead (sheets, bars, etc.).....		44		7,480		29.0	
Lead manufactures.....		21		9,000		29.0	
Other metals (sheets, bars, etc.).....		67		52,800		29.0	
Other metal manufac- tures.....		820		198,440		29.0	
Pipe (wrought iron).....		399		84,189		29.0	
Hardware.....		27		2,295		29.0	
Pig tin.....		112		9,140		27.3	11.7
Steel drums.....		14		4,280		29.0	
Machinery and vehicles:							
Machinery.....		354	354	139,122	139,122		
Chemicals.....			12,959		8,959,119		
Paint and varnish.....		297		86,724		29.0	
Soap.....		245		23,520		29.0	
Explosives.....		7,942		7,942,000		19.6	
Chemicals.....		4,475		906,875		29.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Unclassified.....			6,854		\$12,683,400	<i>Miles.</i>	<i>Cents.</i>
General merchandise.....		2,918		\$875,400		29.0	
Ordnance.....		3,936		11,808,000		24.5	
Total.....	41,780	33,387	75,167		33,833,919		
SHIPMENTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair:							
Leather goods.....		329	329	164,500	164,500	29.0	
Vegetable food products, oil seeds, expressed oils, and beverages: Miscellaneous oils.....		353	353	94,089	94,089	29.0	
Other vegetable products, except fibers and wood.....			321		233,600		
Rubber goods.....		277		211,600		29.0	
Crude rubber.....		44		22,000		29.0	
Textiles.....			197		112,630		
Dry goods.....		29		31,900		29.0	
Cotton goods.....		156		78,000		24.1	
Cotton (raw).....		6		1,200		29.0	
Bags and bagging.....		6		1,530		29.0	
Wood and paper: Paper and cardboard.....		258	258	14,190	14,190	29.0	
Nonmetallic minerals.....			314,251		1,704,198		
Brick (building).....	10,996			114,030		28.4	
Brick (hollow tile).....		49,908		798,523		30.2	
Brick (fire).....		3,015		62,777		27.0	
Sand.....	211,941			208,835		36.3	
Clay manufactures.....		644		25,502		35.0	
Clay.....	36,239			217,571		27.6	39.8
Other petroleum prod- ucts.....							
Sulphur.....		1,394		275,000		30.0	8.3
Fire clay.....	100	14		700		30.0	
				1,260		26.0	
Ores, metals, and manufac- tures, except machinery and vehicles.....			62,683		22,045,741		
Copper (sheets, bars, etc.).....		61,393		21,487,597		30.0	
Copper manufactures.....		9		3,375		30.0	
Steel (ingots, sheets).....		2		280		29.0	
Wire (iron or steel).....		44		660		29.0	
Lead (sheets, bars).....		10		1,700		30.0	
Other metals (sheets, bars, etc.).....		488		390,400		30.0	
Other metals, manufac- tures.....		330		79,860		30.0	
Pipe (wrought iron).....		374		78,914		30.0	
Pipe (cast iron).....		6		660		29.0	
Hardware.....		27		2,295		30.0	
Machinery and vehicles.....			339		127,161		
Engines and machinery.....		309		119,951		30.0	
Ship gear.....		30		7,200		28.5	
Chemicals.....			12,716		9,142,211		
Chemicals.....		4,475		906,875		30.0	
Paints and varnish.....		8		2,336		30.0	
Explosives.....		8,233		8,233,000		19.6	
Unclassified.....			14,349		25,551,000		
General merchandise.....		6,480		1,944,000		30.0	
Ordnance.....		7,869		23,607,000		24.5	
Total.....	259,276	146,520	405,796		59,189,310		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL.							
Nonmetallic minerals.....			29,249		\$97,584	Miles.	Cents.
Crushed stone.....	21,221			\$32,000		68.3	
Paving block (asphalt).....		1,236		10,324		47.3	
Coal.....	6,792			55,260		43.2	
Total.....	28,013	1,236	29,249		97,584		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals.....			180		2,620		
Brick (building).....	158			2,180		78.3	
Clay.....	22			440		87.3	
Total.....	180		180		2,620		
LOCAL.							
Nonmetallic minerals.....			1,281		14,370		
Brick (building).....	1,240			13,798		5.5	20.4
Brick (fire).....		35		500		5.5	
Fire clay.....	6			72		5.5	
Total.....	1,246	35	1,281		14,370		
Total receipts and shipments.....	341,346	181,178	522,524		93,196,696		

Cargoes in transit.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Vegetable food products, oil seeds, expressed oils, and beverages: Grain...	94	\$12,000	Nonmetallic minerals— Continued.		
Other vegetable products, except fibers and wood:			Kerosene.....	17,167	\$913,803
Turpentine.....	222	60,732	Other petroleum prod- ucts.....	1,224	84,864
Wood and paper:			Fuel oil.....	1,995	14,219
Lumber and timber (sawed).....	476	112,900	Ores, metals, and manu- factures of, except ma- chinery and vehicles:		
Printing paper.....	348	19,140	Copper (ingots).....	500	150,000
Nonmetallic minerals:			Iron (pig and scrap)...	800	32,000
Asphalt.....	10,600	85,000	Barytes ores.....	2,151	32,266
Brick (building).....	580	6,525	Steel manufactures...	1,464	878,284
Brick (hollow tile)....	7,370	115,694	Wire (iron or steel)...	500	7,500
Cement.....	11,083	191,332	Pipe (cast iron).....	791	73,949
Gravel.....	4,229	6,266	Engines and machinery:		
Crushed stone.....	664	1,826	Machinery.....	700	275,100
Paving block (stone)...	2,000	23,333	Chemicals:		
Clay manufactures....	2,413	44,239	Cresote oil.....	600	32,160
Coal.....	14,418	144,760	Chemicals.....	1,801	67,472
Coke.....	717	11,145	Unclassified: General mer- chandise.....	976	385,500
Molding sand.....	514	1,179			
Oil (lubricating).....	113,456	8,972,674	Total.....	280,021	19,157,743
Gasoline.....	80,168	6,401,881			

Cargoes in transit—Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			348	\$174,000	348	\$174,000
Vegetable food products, oil seeds, expressed oils, and beverages.....			975	253,408	975	253,408
Other vegetable products, except fibers and wood.....			2,864	1,427,760	2,864	1,427,760
Textiles.....			3,592	1,143,825	3,592	1,143,825
Wood and paper.....			1,810	99,555	1,810	99,555
Nonmetallic minerals.....	10,851	\$58,893	362,503	2,145,382	373,354	2,204,275
Ores, metals, and manufactures, except machinery and vehicles.....			92,010	31,291,870	92,010	31,291,870
Machinery and vehicles.....			693	266,273	693	266,273
Chemicals.....			25,675	18,101,330	25,675	18,101,330
Unclassified.....			21,203	38,234,400	21,203	38,234,400
Total.....	10,851	58,893	511,673	93,137,803	522,524	93,196,696

Cargoes in transit, short tons, 280,021; value, \$19,157,743.

Vessel classification, 1920.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Great-est.	Least.	Great-est.
Registered:							
Steamers.....	4	364	364	113	204	6	8
Towboats.....	34	3,678	3,678	21	71	6	10
Sailing vessels.....	12	51	51	26	94	4	9
Canal boats, lighters, barges, etc.....	229	5,670	5,670	30	2,550	2	14
Miscellaneous craft.....	14	255	255	10	754	4	13
Unregistered, canal boats, lighters, barges, etc.....	203	5,363	5,363	100	750	2	11

SOUTH RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893.....	156,260	(1)	1907.....	118,549	\$477,530
1894.....	166,500	(1)	1908.....	99,197	472,013
1895.....	177,794	\$1,970,113	1909.....	133,587	439,914
1896.....	216,783	1,200,000	1910.....	127,170	431,061
1897.....	308,563	(1)	1911.....	127,024	480,411
1898.....	274,381	(1)	1912.....	203,330	977,618
1899.....	343,202	(1)	1913.....	187,051	747,329
1900.....	414,288	(1)	1914.....	137,459	575,774
1901.....	328,186	968,458	1915.....	111,226	513,461
1902.....	387,246	1,115,635	1916.....	108,905	682,919
1903.....	333,890	1,177,431	1917.....	23,727	95,323
1904.....	392,626	1,027,371	1918.....	21,500	71,211
1905.....	260,204	1,046,208	1919.....	32,781	257,548
1906.....	226,227	972,550	1920.....	13,130	184,830

(1) No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount t in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT.							
Nonmetallic minerals: Coal.	60	.....	60	\$780	\$780	Miles. 12.0	Cents. 8.3
SHIPMENTS, INTRAPORT.							
Nonmetallic minerals.....			10,431		167,224		
Brick (building).....	648			7,290		16.1	
Brick (hollow tile).....		7,370		115,694		29.5	6.1
Clay manufactures.....		2,413		44,240		30.8	5.9
Total.....	648	9,783	10,431		167,224		
RECEIPTS, INTERNAL.							
Nonmetallic minerals.....			2,639		16,826		
Crushed stone.....	959			1,826		55.3	
Coal.....	1,680			15,000		38.5	
Total.....	2,639		2,639		16,826		
Total receipts and shipments.....	3,347	9,783	13,130		184,830		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Nonmetallic minerals.....	13,130	184,830

Vessel classification, 1920.

Class.	Num- ber of vessels, Ameri- can.	Total.		Tonnage of vessels.		Draft (feet).	
		Arriv- als.	Depar- tures.	Least.	Great- est.	Least.	Great- est.
Registered:							
Sailing vessels.....	4	7	7	.....	40	.....	6
Canal boats, lighters, barges, etc.....	11	18	18	150	500	6	10
Unregistered, canal boats, lighters, barges, etc..	4	6	6	150	500	6	10

CHEESEQUAKE CREEK, N. J.

Comparative statement of commerce.

Year.	Tons.	Value.	Year.	Tons.	Value.
1886	50,000	\$216,000	1913	23,679	\$45,043
1906	45,500	146,050	1914	29,213	190,428
1906	83,648	625,000	1915	23,402	158,437
1907 ¹	80,500	263,100	1916	23,337	258,502
1908	79,520	209,550	1917	32,253	197,000
1909	61,890	178,900	1918	40,513	24,351,501
1910	(²)	(²)	1919	34,181	20,148,336
1911	36,500	277,500	1920	10,138	4,488,550
1912	44,130	292,500			

¹ Tonnage reported since 1907 in net tons; previous reports in long tons.² No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT.							
Machinery and vehicles:						<i>Miles.</i>	<i>Cents.</i>
Trucks.....		2,800	2,800	\$2,800,000	\$2,800,000	12.0	.....
Chemicals: Sodium nitrate.....		2,500	2,500	125,000	125,000	11.4	.....
Total.....		5,300	5,300	.....	2,925,000	.....	.....
SHIPMENTS, INTRAPORT.							
Other vegetable products, except fibers and wood:							
Vegetables.....		2,288	2,288	53,550	53,550	15.2	14.6
Machinery and vehicles:							
Trucks.....		1,250	1,250	1,250,000	1,250,000	12.0	.....
Chemicals: Smokeless powder.....		1,300	1,300	260,000	260,000	12.0	.....
Total.....		4,838	4,838	.....	1,563,550	.....	.....
Total receipts and shipments.....		10,138	10,138	.....	4,488,550	.....	.....

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Other vegetable products, except fibers and wood	2,288	\$53,550
Machinery and vehicles	4,050	4,060,000
Chemicals	3,800	385,000
Total	10,138	4,488,550

Vessel classification, 1920.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	1	42	42		325		8
Towboats.....	1	17	17				
Canal boats, lighters, barges, etc.....	10	17	17	400	700		8

KEYPORT HARBOR, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	222,965	(1)	1908.....	123,724	\$3,146,800
1891.....	687,169	\$4,375,205	1909.....	50,932	1,345,020
1895.....	434,625	5,905,500	1910.....	77,968	1,788,136
1896.....	540,200	(1)	1911.....	96,477	1,868,650
1897.....	109,200	(1)	1912.....	221,559	1,424,433
1899.....	67,500	(1)	1913.....	130,921	2,067,245
1901.....	45,000	(1)	1914.....	116,628	3,262,358
1902.....	62,000	1,628,000	1915.....	59,790	1,855,003
1903.....	62,000	1,628,000	1916.....	40,624	1,607,300
1904.....	70,000	1,945,000	1917*.....	26,313	633,052
1905.....	86,821	2,202,105	1918*.....	27,857	705,173
1906.....	229,377	3,074,060	1919.....	44,033	1,978,288
1907*.....	160,925	3,275,305	1920*.....	11,824	2,886,600

* No statistics available.

* Tonnage report since 1907 in short tons; previous reports in long tons.

* Passengers carried, 41,600 in 1917 and 50,000 in 1918.

* Exclusive of 2,000 tons, cargoes in transit, valued at \$8,000.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair:						Miles.	Cents.
Oysters and clams.....	2,490		2,490	\$90,000	\$90,000	3.7	
Textiles: Rope.....		5	5	2,000	2,000	22.5	
Wood and paper: Cork.....		50	50	5,000	5,000	22.5	
Machinery and vehicles:							
Automobiles.....		6	6	37,500	37,500	22.5	51.7
Unclassified: General mer- chandise.....		2,590	2,590	741,600	741,600	22.5	13.3
Total.....	2,490	2,651	5,141		876,100		
SHIPMENTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair.....					6,000		
Fish.....		9				15.0	
Oysters and clams.....		4				15.0	
Oyster shells.....		1,184				5.7	
Textiles: Burlap bags.....						22.5	15.1

CHEESEQUAKE CREEK, N. J.

Comparative statement of commerce.

Year.	Tons.	Value.	Year.	Tons.	Value.
1885.....	50,000	\$216,000	1913.....	23,679	\$45,043
1905.....	45,500	146,050	1914.....	29,213	190,428
1906.....	88,648	625,000	1915.....	23,402	158,437
1907.....	89,500	263,100	1916.....	23,537	258,502
1908.....	79,520	209,550	1917.....	32,253	197,000
1909.....	61,890	178,900	1918.....	40,515	24,351,501
1910.....	(*)	(*)	1919.....	34,181	20,148,326
1911.....	36,500	277,500	1920.....	10,138	4,488,550
1912.....	44,130	292,500			

¹ Tonnage reported since 1907 in net tons; previous reports in long tons.

² No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT.							
Machinery and vehicles:						<i>Miles.</i>	<i>Cents.</i>
Trucks.....		2,800	2,800	\$2,800,000	\$2,800,000	12.0	.....
Chemicals: Sodium nitrate.....		2,500	2,500	125,000	125,000	11.4	.....
Total.....		5,300	5,300	.....	2,925,000	.....	.....
SHIPMENTS, INTRAPORT.							
Other vegetable products, except fibers and wood:							
Vegetables.....		2,288	2,288	53,550	53,550	15.2	14.6
Machinery and vehicles:							
Trucks.....		1,250	1,250	1,250,000	1,250,000	12.0	.....
Chemicals: Smokeless powder.....		1,300	1,300	260,000	260,000	12.0	.....
Total.....		4,838	4,838	.....	1,563,550	.....	.....
Total receipts and shipments.....		10,138	10,138	.....	4,488,550	.....	.....

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Other vegetable products, except fibers and wood.....	2,288	\$53,550
Machinery and vehicles.....	4,060	4,060,000
Chemicals.....	3,800	385,000
Total.....	10,138	4,488,550

Vessel classification, 1920.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	1	42	42		325		8
Towboats.....	1	17	17				
Canal boats, lighters, barges, etc.....	10	17	17	400	700		8

KEYPORT HARBOR, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	222,965	(1)	1908.....	123,724	\$3,146,800
1894.....	687,169	\$4,375,205	1909.....	50,932	1,345,020
1895.....	434,625	5,905,500	1910.....	77,996	1,788,136
1896.....	540,200	(1)	1911.....	96,477	1,868,650
1897.....	109,200	(1)	1912.....	221,559	1,434,428
1899.....	67,500	(1)	1913.....	130,921	2,067,245
1901.....	45,000	(1)	1914.....	116,628	3,262,358
1902.....	62,000	1,628,000	1915.....	59,790	1,855,003
1903.....	62,000	1,628,000	1916.....	40,624	1,607,300
1904.....	70,000	1,948,000	1917 ^a	26,318	633,052
1905.....	86,821	2,202,105	1918 ^a	27,867	705,173
1906.....	229,377	3,074,060	1919.....	44,033	1,978,288
1907 ^a	160,925	3,275,305	1920 ^a	11,824	2,889,600

¹ No statistics available.^a Tonnage report since 1907 in short tons; previous reports in long tons.^b Passengers carried, 41,600 in 1917 and 50,000 in 1918.^c Exclusive of 2,000 tons, cargoes in transit, valued at \$8,000.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT.							
Animals and animal products, except wool and hair:						Miles.	Cents.
Oysters and clams.....	2,490	.....	2,490	\$90,000	\$90,000	3.7	.....
Textiles: Rope.....		5	5	2,000	2,000	22.5	.....
Wood and paper: Cork.....		50	50	5,000	5,000	22.5	.....
Machinery and vehicles:							
Automobiles.....		6	6	37,500	37,500	22.5	53.7
Unclassified: General merchandise.....		2,590	2,590	741,600	741,600	22.5	13.3
Total.....	2,490	2,651	5,141	.....	876,100	.....	.....
SHIPMENTS, INTRAPORT.							
Animals and animal products, except wool and hair:							
Fish.....	9	.....	1,177	2,700	6,000	15.0	.....
Oysters and clams.....	4	.....		1,200		15.0	.....
Oyster shells.....	1,164	.....		2,100		5.7	.....
Textiles: Burlap bags.....		100	100	8,000	8,000	22.5	15.1

CHEESEQUAKE CREEK, N. J.

Comparative statement of commerce.

Year.	Tons.	Value.	Year.	Tons.	Value.
1886	50,000	\$216,000	1913	23,679	\$45,043
1905	45,500	146,050	1914	29,213	190,428
1906	83,648	625,000	1915	23,402	158,437
1907 ¹	89,500	263,100	1916	23,337	258,502
1908	79,520	209,550	1917	32,253	197,000
1909	61,880	178,900	1918	40,513	24,361,501
1910	(*)	(*)	1919	34,181	20,148,336
1911	36,500	277,500	1920	10,138	4,488,550
1912	44,130	292,500			

¹ Tonnage reported since 1907 in net tons; previous reports in long tons.² No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT.							
Machinery and vehicles:						<i>Miles.</i>	<i>Cents.</i>
Trucks.....		2,800	2,800	\$2,800,000	\$2,800,000	12.0	.....
Chemicals: Sodium nitrate.....		2,500	2,500	125,000	125,000	11.4	.....
Total.....		5,300	5,300	.....	2,925,000	.....	.....
SHIPMENTS, INTRAPORT.							
Other vegetable products, except fibers and wood:							
Vegetables.....		2,288	2,288	53,550	53,550	15.2	14.6
Machinery and vehicles:							
Trucks.....		1,250	1,250	1,250,000	1,250,000	12.0	.....
Chemicals: Smokeless powder.....		1,300	1,300	260,000	260,000	12.0	.....
Total.....		4,838	4,838	.....	1,563,550	.....	.....
Total receipts and shipments.....		10,138	10,138	.....	4,488,550	.....	.....

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Other vegetable products, except fibers and wood	2,288	\$53,550
Machinery and vehicles	4,050	4,050,000
Chemicals	3,800	385,000
Total	10,138	4,488,550

Vessel classification, 1920.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	1	42	42		325		8
Towboats.....	1	17	17				
Canal boats, lighters, barges, etc.....	10	17	17	400	700		8

KEYPORT HARBOR, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	222,965	(1)	1908.....	123,724	\$3,146,800
1891.....	687,169	\$4,375,205	1909.....	50,032	1,345,020
1895.....	434,625	5,905,500	1910.....	77,068	1,788,136
1896.....	540,200	(1)	1911.....	96,477	1,868,650
1897.....	109,200	(1)	1912.....	221,559	1,424,433
1899.....	67,500	(1)	1913.....	130,021	2,067,245
1901.....	45,000	(1)	1914.....	116,628	3,262,358
1902.....	62,000	1,628,000	1915.....	59,790	1,855,003
1903.....	62,000	1,628,000	1916.....	40,624	1,607,300
1904.....	70,000	1,948,000	1917 ²	26,318	633,052
1905.....	86,821	2,202,105	1918 ³	27,457	706,173
1906.....	229,377	3,074,060	1919.....	44,633	1,978,288
1907 ⁴	160,925	3,275,305	1920 ⁴	11,524	2,889,600

¹ No statistics available.

² Tonnage report since 1907 in short tons; previous reports in long tons.

³ Passengers carried, 41,600 in 1917 and 50,000 in 1918.

⁴ Exclusive of 2,000 tons, cargoes in transit, valued at \$8,000.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT.							
Animals and animal products, except wool and hair:						<i>Miles.</i>	<i>Cents.</i>
Oysters and clams.....	2,490	-----	2,490	\$90,000	\$90,000	3.7	-----
Textiles: Rope.....		5	5	2,000	2,000	22.5	-----
Wood and paper: Cork.....		50	50	5,000	5,000	22.5	-----
Machinery and vehicles:							
Automobiles.....		6	6	37,500	37,500	22.5	53.7
Unclassified: General merchandise.....		2,590	2,590	741,600	741,600	22.5	13.3
Total.....	2,490	2,651	5,141	-----	876,100	-----	-----
SHIPMENTS, INTRAPORT.							
Animals and animal products, except wool and hair:							
Fish.....	9	-----	1,177	2,700	6,000	15.0	-----
Oysters and clams.....	4	-----		1,200		15.0	-----
Oyster shells.....	1,164	-----		2,100		5.7	-----
Textiles: Burlap bags.....		100	100	8,000	8,000	22.5	15.1

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT—COAL.							
Ores, metals, and manufactures, except machinery and vehicles: Automobile bumpers.....		63	63	\$75,000	\$75,000	Miles. 22.5	Cents. 15.1
Machinery and vehicles: Aeroplanes.....		29	29	585,000	585,000	22.5	
Unclassified.....			3,452		1,022,500		
General merchandise.....		3,357		978,500		22.5	13.3
Life preservers.....		50		20,000		22.5	
Lifeboats.....		27		20,000		22.5	
Life rafts.....		18		4,000		22.5	
Total.....	1,177	3,644	4,821		1,666,500		
RECEIPTS, INTERNAL.							
Nonmetallic minerals: Coal.....	1,859		1,859	17,000	17,000	52.5	
Unclassified: Airplane.....		3	3	300,000	300,000	84.0	.8
Total.....	1,859	3	1,862		317,000		
Total receipts and shipments.....	5,526	6,208	11,824		2,889,600		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	3,667	\$96,000
Textiles.....	105	10,000
Wood and paper.....	50	5,000
Nonmetallic minerals.....	1,859	17,000
Ores, metals, and manufactures, except machinery and vehicles.....	63	75,000
Machinery and vehicles.....	35	622,500
Unclassified.....	6,045	2,064,100
Total.....	11,824	2,889,600

Cargoes in transit, tons, 2,000; value, \$8,000.

Vessel classification, 1920.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	1	270	270	320	364	9	11
Canal boats, lighters, barges, etc.....	2	107	107		300	9	7
Motor boats.....	6	150	150	10	40	4.5	6.5
Unregistered canal boats, lighters, barges, etc.	1	3	3	336	500	2	9

MATAWAN CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895.....	338,025	(1)	1909.....	16,800	\$22,000
1896.....	435,000	(1)	1910.....	41,430	46,630
1897.....	415,000	(1)	1911.....	48,745	86,000
1898.....	51,000	(1)	1912.....	198,406	446,630
1901.....	60,000	(1)	1913.....	79,085	146,800
1902.....	61,500	\$1,265,000	1914.....	70,553	194,353
1903.....	61,500	1,265,000	1915.....	11,974	44,608
1904.....	29,000	74,000	1916.....	5,000	10,000
1905.....	58,471	203,965	1917.....	1,114	2,200
1906.....	128,181	717,506	1918.....	3,072	6,148
1907 ²	40,900	163,500	1919.....	3,763	9,783
1908.....	10,167	38,265	1920.....	2,000	8,000

¹ No statistics available.² Tonnage reported since 1907 in short tons; previous reports in long tons.

No passengers carried.

(Navigation season, continuous.)

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commod- ities (bulk).	Amount in short tons by classes.	Value.		Aver- age haul.	Rate, ton- mile.
			By com- modities.	By classes.		
INTRAPORT RECEIPTS.						
Unclassified: Manure.....	2,000	2,000	\$8,000	\$8,000	Miles. 23.5	Cents. 2.5

Vessel classification, 1920.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Greatest draft (feet).
		Arrivals.	Departures.	Least.	Greatest.	
Unregistered: Miscellaneous craft.....	1	3	3	336	500	9

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oysters and clams..	2,425	.....	2,425	\$44,152	\$44,152	Miles. 79.1	Cents. 2.4
SHIPMENTS, COASTWISE.							
Nonmetallic minerals.....			1,348,282		12,125,496		
Coal.....	1,345,268	.....		12,107,412			
Molding sand.....	3,014	.....		18,084		210.0	
Total.....	1,348,282	.....	1,348,282		12,125,496		
RECEIPTS, INTRAPORT.							
Animals and animal products, except wool and hair: Manure.....	1,680	.....	1,680	6,720	6,720	25.2	
SHIPMENTS, INTRAPORT.							
Animals and animal products, except wool and hair: Oysters and clams..		5,500	5,500	190,000	190,000	28.0	
Nonmetallic minerals.....		72	4,576,257		41,170,289		
Clay manufactures.....				1,200		35.4	
Coal.....	4,570,660			41,135,940		28.2	2.7
Clay.....	1,761			14,329		28.4	
Molding sand.....	3,764			18,820		27.9	
Ores, metals, and manufactures, except machinery and vehicles: Tin.....		653	653	88,711	88,711	23.0	
Machinery and vehicles: machinery.....		7	7	1,265	1,265	18.8	
Total.....	4,576,185	6,232	4,582,417		41,450,265		
RECEIPTS, INTERNAL.							
Wood and paper.....			369		7,962		
Lumber and timber (sawed).....		185		6,510		200.8	1.1
Sawdust.....		184		1,452		200.8	
Total.....		369	369	7,962			
SHIPMENTS, INTERNAL.							
Nonmetallic minerals.....			58,394		522,111		
Fire sand.....	142			610		68.2	
Coal.....	57,390			516,510		81.4	
Fire clay.....	862			4,991		68.2	
Total.....	58,394		58,394		522,111		
Total receipts and shipments.....	5,966,966	6,601	5,993,567		54,156,706		

Cargoes in transit.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Animals and animal products, except wool and hair:			Nonmetallic minerals—Continued.		
Fish.....	9	\$2,700	Chalk and whiting....	230	\$6,900
Oysters and clams....	4	135	Sulphur.....	151	3,775
Leather goods.....	348	174,000	Creosote.....	8,463	874,680
Oyster shells.....	1,164	2,100	Crude oil.....	317,749	4,015,000
Manure.....	3,048	14,614	Fire clay.....	100	1,260
Fish oils.....	188	45,000	Fuel oil.....	1,985	133,015
Vegetable food products, oil seeds, expressed oils, and beverages:			Miscellaneous oils....	440	117,392
Vegetable.....	2,288	53,550	Ores, metals, and manufactures, except machinery and vehicles:		
Grain.....	94	12,000	Copper ore.....	36,033	1,801,650
Sugar.....	254	76,200	Copper (sheet, bar, etc.)	61,406	21,491,497
Miscellaneous food....	15	3,000	Copper (ingot).....	28,169	9,010,385
Other vegetable products, except fibers and wood:			Copper manufactures....	256	76,800
Rubber goods.....	393	98,250	Iron (pig and scrap)...	800	26,400
Pitch.....	233	4,660	Steel (ingots).....	99	13,860
Rubber (crude).....	2,236	1,118,000	Steel manufactures....	1,492	953,284
Turpentine.....	2,279	61,432	Wire (iron and steel)...	588	8,820
Textiles:			Lead (sheet, bar, etc.)	54	9,180
Dry goods.....	94	103,400	Lead manufactures....	21	9,000
Cotton goods.....	1,624	225,800	Other metals (sheet, bar, etc.)	555	443,200
Rope.....	5	2,000	Other metal manufactures	1,287	307,207
Cotton (raw).....	1,861	1,116,600	Pipe (cast iron).....	1,433	208,805
Burlap.....	115	29,325	Hardware.....	558	130,500
Wood and paper:			Manganese ore.....	32,172	5,630,140
Lumber and timber (sawed).....	574	121,132	Pig tin.....	112	9,140
Ties.....	57,598	1,219,402	Steel drums.....	14	4,260
Wood pulp.....	4	500	Machinery and vehicles:		
Cork.....	50	5,000	Engines and machinery	5,406	4,582,908
Paper.....	2,154	118,195	Automobiles.....	4	37,500
Nonmetallic minerals:			Airplanes.....	29	585,000
Asphalt.....	48,567	621,978	Flying boats.....	3	300,000
Brick (building).....	15,500	163,744	Chemicals:		
Brick (hollow tile)....	57,278	914,217	Phosphate rock.....	130,331	1,030,928
Brick (fire).....	3,015	62,777	Chemicals.....	9,968	1,327,172
Cement.....	11,083	191,332	Potash.....	19	9,500
Gravel.....	9,645	15,555	Fertilizer.....	161,054	8,761,536
Sand.....	164,499	192,950	Ammunition.....	17,475	17,475,000
White sand.....	3,012	3,200	Paint.....	305	89,060
Crushed stone.....	23,335	34,826	Soap.....	245	23,520
Paving blocks (stone)...	2,000	23,383	Unclassified:		
Paving blocks (asphalt).....	1,236	10,324	Lifeboats.....	27	20,000
Coal.....	70,186	641,994	General merchandise...	16,786	5,166,300
Coke.....	717	11,145	Rafts.....	18	4,000
Clay.....	14,745	74,259	Life preservers.....	50	20,000
Molding sand.....	4,818	31,292	Boat equipments.....	15	10,000
Clay manufactures....	3,067	69,741	Ordinance.....	11,805	35,415,000
Lubricating oil.....	115,489	9,172,674	Total.....	1,561,833	144,918,818
Gasoline.....	74,233	6,409,381			
Kerosene.....	17,263	917,303			
Other petroleum products.....	5,806	597,864			

Cargoes in transit—Continued.

SUMMARY.

Class of commodities.	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	2, 425	\$44, 152	7, 180	\$196, 720	9, 605	\$240, 872
Wood and paper.....			369	7, 962	369	7, 962
Nonmetallic minerals.....	1, 348, 282	12, 125, 496	4, 634, 651	41, 692, 400	5, 982, 933	53, 817, 896
Ores, metals, and manufactures, except machinery and vehicles.....			653	88, 711	653	88, 711
Machinery and vehicles.....			7	1, 265	7	1, 265
Total.....	1, 350, 707	12, 169, 648	4, 642, 860	41, 987, 058	5, 993, 567	54, 156, 706

Cargoes in transit, short tons, 1,551,833; value, \$144,918,818.

Vessel classification, 1920.

Class.	Number of vessels.		Total.		Tonnage of vessels.		Draft (feet).	
	Ameri-can.	For-eign.	Arriv-als.	Depart-ures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers.....	36	18	761	761	113	6, 964	6	23
Towboats.....	72		6, 693	6, 693	14	225	6	15
Sailing vessels.....	17		88	88	26	100	4	9
Canal boats, lighters, barges, etc..	986		15, 893	15, 893	30	2, 560	2	17
Miscellaneous craft.....	24		405	405	10	754	4	13
Unregistered, canal boats, lighters, barges, etc.....	203		5, 363	5, 363	100	750	2	11

RARITAN RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	1, 661, 425	(1)	1907.....	725, 690	\$32, 678, 472
1892.....	1, 120, 302	(1)	1908.....	918, 302	26, 401, 439
1893.....	1, 446, 658	(1)	1909.....	936, 533	48, 504, 916
1894.....	1, 138, 092	(1)	1910.....	963, 473	53, 355, 340
1895.....	975, 101	\$15, 844, 469	1911.....	1, 100, 851	64, 441, 303
1896.....	1, 136, 974	(1)	1912.....	1, 177, 157	64, 938, 810
1897.....	1, 218, 752	(1)	1913.....	1, 243, 923	73, 175, 177
1898.....	1, 255, 972	29, 301, 474	1914.....	1, 034, 853	63, 133, 228
1899.....	1, 323, 391	28, 957, 303	1915.....	1, 102, 594	69, 156, 343
1900.....	1, 476, 645	33, 446, 582	1916.....	1, 126, 770	148, 893, 788
1901.....	1, 266, 950	15, 550, 539	1917.....	824, 614	131, 391, 066
1902.....	1, 228, 791	15, 062, 690	1918.....	777, 213	130, 140, 335
1903.....	1, 020, 420	19, 351, 776	1919.....	1, 375, 945	272, 664, 878
1905.....	605, 197	16, 895, 433	1920 ¹	522, 524	93, 196, 696
1906.....	736, 666	17, 377, 645			

¹ No statistics available.² Exclusive of 280,021 tons, cargoes in transit, valued at \$19,157,743.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals:						Miles.	Cents.
Gravel.....	5,416		5,416	\$9,289	\$9,289	70.0	
SHIPMENTS, COASTWISE.							
Nonmetallic minerals.....			5,435		49,604		
Brick (building).....	3,716			41,009		89.0	2.2
Molding sand.....	1,719			8,595		212.4	.9
Total shipments, coast- wise.....	5,435		5,435		49,604		
RECEIPTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair:							
Leather goods.....		19	19	9,500	9,500	29.0	
Vegetable food products, oil seeds, expressed oils, and beverages.....			622		159,319		
Sugar.....		254		62,230		29.0	
Miscellaneous foods.....		15		3,000		29.0	
Miscellaneous oils.....		353		94,089		29.0	
Other vegetable products, except fibers and wood.....			2,543		1,194,160		
Rubber goods.....		116		92,800		29.0	
Turpentine.....		2		700		29.0	
Rubber (crude).....		2,192		1,096,000		29.0	
Pitch.....		233		4,660		29.0	
Textiles.....			3,395		1,031,195		
Dry goods.....		65		71,500		29.0	
Cotton goods.....		1,466		586,400		29.0	
Cotton, (raw).....		1,855		371,000		29.0	
Bags and bagging.....		9		2,295		29.0	
Wood and paper.....			1,552		85,365		
Wood pulp.....		4		500		29.0	
Paper and cardboard.....		1,548		84,865		29.0	
Nonmetallic minerals.....			17,542		326,610		
Asphalt.....		1,040		20,000		26.0	
Brick (building).....	68			765		1.3	
Coal.....	13,670			83,945		2.7	
Clay.....	373			10,000		29.0	
Oil (lubricating).....		2,024		198,150		29.0	35.2
Chalk and whiting.....		230		6,900		29.0	
Sulphur.....		137		6,850		29.0	
Ores, metals, and manufac- tures, except machinery and vehicles.....			29,327		9,246,129		
Copper (sheet, bar, wire)		13		3,900		29.0	
Copper (ingots).....	27,669			8,860,385		29.0	
Steel (ingots, sheets, bars).....		97		13,580		29.0	
Wire (iron or steel).....		44		660		29.0	
Lead (sheets, bars, etc.).....		44		7,480		29.0	
Lead manufactures.....		21		9,000		29.0	
Other metals (sheets, bars, etc.).....		67		52,800		29.0	
Other metal manufac- tures.....		820		198,440		29.0	
Pipe (wrought iron).....		399		84,189		29.0	
Hardware.....		27		2,295		29.0	
Pig tin.....		112		9,140		27.3	11.7
Steel drums.....		14		4,260		29.0	
Machinery and vehicles:							
Machinery.....		354	354	139,122	139,122		
Chemicals.....			12,959		8,959,119		
Paint and varnish.....		297		86,724		29.0	
Soap.....		245		23,520		29.0	
Explosives.....		7,942		7,942,000		19.6	
Chemicals.....		4,475		906,875		29.0	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Unclassified.....			6,854		\$12,683,400	<i>Miles.</i>	<i>Cents.</i>
General merchandise.....		2,918		\$875,400		29.0	
Ordnance.....		3,936		11,808,000		24.5	
Total.....	41,780	33,387	75,167		33,833,919		
SHIPMENTS, INTRAPORT.							
Animals and animal prod- ucts, except wool and hair:							
Leather goods.....		329	329	164,500	164,500	29.0	
Vegetable food products, oil seeds, expressed oils, and beverages: Miscellaneous oils.....		353	353	94,089	94,089	29.0	
Other vegetable products, except fibers and wood.....			321		233,600		
Rubber goods.....		277		211,600		29.0	
Crude rubber.....		44		22,000		29.0	
Textiles.....			197		112,630		
Dry goods.....		29		31,200		29.0	
Cotton goods.....		156		78,000		24.1	
Cotton (raw).....		6		1,200		29.0	
Bags and bagging.....		6		1,530		29.0	
Wood and paper: Paper and cardboard.....		258	258	14,190	14,190	29.0	
Nonmetallic minerals.....			314,251		1,704,198		
Brick (building).....	10,996			114,030		28.4	
Brick (hollow tile).....		49,908		798,523		30.2	
Brick (fire).....		3,015		62,777		27.0	
Sand.....	211,941			208,835		36.3	
Clay manufactures.....		644		25,502		35.0	
Clay.....	36,239			217,571		27.6	39.8
Other petroleum prod- ucts.....		1,394		275,000		30.0	8.3
Sulphur.....		14		700		30.0	
Fire clay.....	100			1,260		26.0	
Ores, metals, and manufac- tures, except machinery and vehicles.....			62,683		22,045,741		
Copper (sheets, bars, etc.).....		61,393		21,487,597		30.0	
Copper manufactures.....		9		3,375		30.0	
Steel (ingots, sheets).....		2		280		29.0	
Wire (iron or steel).....		44		660		29.0	
Lead (sheets, bars).....		10		1,700		30.0	
Other metals (sheets, bars, etc.).....		488		390,400		30.0	
Other metals, manufac- tures.....		330		79,860		30.0	
Pipe (wrought iron).....		374		78,914		30.0	
Pipe (cast iron).....		6		660		29.0	
Hardware.....		27		2,295		30.0	
Machinery and vehicles.....			339		127,151		
Engines and machinery.....		309		119,951		30.0	
Ship gear.....		30		7,200		28.5	
Chemicals.....			12,716		9,142,211		
Chemicals.....		4,475		906,875		30.0	
Paints and varnish.....		8		2,536		30.0	
Explosives.....		8,233		8,235,000		19.6	
Unclassified.....			14,349		25,551,000		
General merchandise.....		6,480		1,944,000		30.0	
Ordnance.....		7,869		23,607,000		24.5	
Total.....	259,276	146,520	405,796		59,189,310		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Nonmetallic minerals.....			29,249		\$97,584	Miles.	Cents.
Crushed stone.....	21,221			\$32,000		68.3	
Paving block (asphalt).....		1,236		10,324		47.3	
Coal.....	6,792			55,260		43.2	
Total.....	28,013	1,236	29,249		97,584		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals.....			180		2,620		
Brick (building).....	158			2,180		78.3	
Clay.....	22			440		87.3	
Total.....	180		180		2,620		
LOCAL.							
Nonmetallic minerals.....			1,281		14,370		
Brick (building).....	1,240			13,798		5.5	20.4
Brick (fire).....		35		500		5.5	
Fire clay.....	6			72		5.5	
Total.....	1,246	35	1,281		14,370		
Total receipts and shipments.....	341,346	181,178	522,524		93,196,696		

Cargoes in transit.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Vegetable food products, oil seeds, expressed oils, and beverages: Grain...	94	\$12,000	Nonmetallic minerals—Continued.		
Other vegetable products, except fibers and wood:			Kerosene.....	17,167	\$913,803
Turpentine.....	222	60,732	Other petroleum products.....	1,224	84,864
Wood and paper:			Fuel oil.....	1,995	14,219
Lumber and timber (sawed).....	476	112,900	Ores, metals, and manufactures of, except machinery and vehicles:		
Printing paper.....	348	19,140	Copper (ingots).....	500	150,000
Nonmetallic minerals:			Iron (pig and scrap).....	800	32,000
Asphalt.....	10,800	85,000	Barytes ores.....	2,151	32,266
Brick (building).....	580	6,525	Steel manufactures.....	1,464	878,284
Brick (hollow tile).....	7,370	115,694	Wire (iron or steel).....	500	7,500
Cement.....	11,083	191,332	Pipe (cast iron).....	791	73,949
Gravel.....	4,229	6,266	Engines and machinery:		
Crushed stone.....	664	1,826	Machinery.....	700	275,100
Paving block (stone).....	2,000	23,833	Chemicals:		
Clay manufactures.....	2,413	44,239	Cresosote oil.....	600	32,160
Coal.....	14,418	144,760	Chemicals.....	1,801	67,472
Coke.....	717	11,145	Unclassified: General merchandise.....	976	385,500
Molding sand.....	514	1,179			
Oil (lubricating).....	113,456	8,972,674			
Gasoline.....	80,168	6,401,881	Total.....	280,021	19,157,743

Cargoes in transit—Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			348	\$174,000	348	\$174,000
Vegetable food products, oil seeds, expressed oils, and beverages.....			975	253,408	975	253,408
Other vegetable products, except fibers and wood.....			2,864	1,427,760	2,864	1,427,760
Textiles.....			3,592	1,143,825	3,592	1,143,825
Wood and paper.....			1,810	99,555	1,810	99,555
Nonmetallic minerals.....	10,851	\$58,893	362,503	2,145,382	373,354	2,204,275
Ores, metals, and manufactures, except machinery and vehicles.....			92,010	31,291,870	92,010	31,291,870
Machinery and vehicles.....			693	266,273	693	266,273
Chemicals.....			25,675	18,101,330	25,675	18,101,330
Unclassified.....			21,203	38,234,400	21,203	38,234,400
Total.....	10,851	58,893	511,673	93,137,803	522,524	93,196,696

Cargoes in transit, short tons, 280,021; value, \$19,157,743.

Vessel classification, 1920.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.	4	364	364	113	204	6	8
Towboats.	34	3,678	3,678	21	71	6	10
Sailing vessels.	12	51	51	26	94	4	9
Canal boats, lighters, barges, etc.	229	5,670	5,670	30	2,550	2	14
Miscellaneous craft.	14	255	255	10	754	4	13
Unregistered, canal boats, lighters, barges, etc.	203	5,363	5,363	100	750	2	11

SOUTH RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893.	156,260	(¹)	1907.	118,549	\$477,530
1894.	166,500	(¹)	1908.	99,197	472,013
1895.	177,794	\$1,970,113	1909.	133,587	439,914
1896.	216,783	1,200,000	1910.	127,170	431,061
1897.	308,563	(¹)	1911.	127,024	480,411
1898.	274,381	(¹)	1912.	203,330	977,618
1899.	343,202	(¹)	1913.	187,051	747,829
1900.	414,288	(¹)	1914.	137,459	575,774
1901.	328,186	968,458	1915.	111,226	513,461
1902.	387,246	1,115,635	1916.	108,905	682,919
1903.	333,890	1,177,431	1917.	23,727	95,923
1904.	392,626	1,027,371	1918.	21,500	71,211
1905.	260,204	1,046,208	1919.	32,781	257,548
1906.	226,227	972,550	1920.	13,130	184,830

¹ No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT.							
Nonmetallic minerals: Coal.	60	.....	60	\$780	\$780	Miles. 12.0	Cents. 8.3
SHIPMENTS, INTRAPORT.							
Nonmetallic minerals.....			10,431		167,224		
Brick (building).....	648	.....		7,290		16.1	
Brick (hollow tile).....		7,370		115,694		29.5	6.1
Clay manufactures.....		2,413		44,240		30.8	5.9
Total.....	648	9,783	10,431		167,224		
RECEIPTS, INTERNAL.							
Nonmetallic minerals.....			2,639		16,826		
Crushed stone.....	959	.....		1,826		55.3	
Coal.....	1,680	.....		15,000		38.5	
Total.....	2,639		2,639		16,826		
Total receipts and shipments.....	3,347	9,783	13,130		184,830		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Nonmetallic minerals.....	13,130	184,830

Vessel classification, 1920.

Class.	Number of vessels, Ameri- can.	Total.		Tonnage of vessels.		Draft (feet).	
		Arriv- als.	Depart- ures.	Least.	Great- est.	Least.	Great- est.
Registered:							
Sailing vessels.....	4	7	7		40		6
Canal boats, lighters, barges, etc.....	11	18	18	150	500	6	10
Unregistered, canal boats, lighters, barges, etc..	4	6	6	150	500	6	10

CHEESEQUAKE CREEK, N. J.

Comparative statement of commerce.

Year.	Tons.	Value.	Year.	Tons.	Value.
1886.....	50,000	\$216,000	1913.....	23,679	\$45,043
1905.....	45,500	146,050	1914.....	29,213	190,428
1906.....	83,648	625,000	1915.....	23,402	158,437
1907 ¹	89,500	263,100	1916.....	23,337	258,502
1908.....	79,520	209,550	1917.....	32,253	197,000
1909.....	61,880	178,900	1918.....	40,513	24,351,501
1910.....	(²)	(²)	1919.....	34,181	20,148,336
1911.....	36,500	277,500	1920.....	10,138	4,488,550
1912.....	44,130	292,500			

¹ Tonnage reported since 1907 in net tons; previous reports in long tons.² No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT.							
Machinery and vehicles:						Miles.	Cents.
Trucks.....		2,800	2,800	\$2,800,000	\$2,800,000	12.0	.....
Chemicals: Sodium nitrate.....		2,500	2,500	125,000	125,000	11.4	.....
Total.....		5,300	5,300	.....	2,925,000	.....	.....
SHIPMENTS, INTRAPORT.							
Other vegetable products, except fibers and wood:							
Vegetables.....		2,288	2,288	53,550	53,550	15.2	14.6
Machinery and vehicles:							
Trucks.....		1,250	1,250	1,250,000	1,250,000	12.0	.....
Chemicals: Smokeless powder.....		1,300	1,300	260,000	260,000	12.0	.....
Total.....		4,838	4,838	.....	1,563,550	.....	.....
Total receipts and shipments.....		10,138	10,138	.....	4,488,550	.....	.....

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Other vegetable products, except fibers and wood.....	2,288	\$53,550
Machinery and vehicles.....	4,050	4,050,000
Chemicals.....	3,800	385,000
Total.....	10,138	4,488,550

Vessel classification, 1920.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	1	42	42		325		8
Towboats.....	1	17	17				
Canal boats, lighters, barges, etc.....	10	17	17	400	700		8

KEYPORT HARBOR, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	222,965	(1)	1908.....	123,724	\$3,146,800
1894.....	687,169	\$4,375,205	1909.....	50,932	1,345,020
1896.....	434,625	5,905,500	1910.....	77,998	1,783,136
1896.....	540,200	(1)	1911.....	96,477	1,868,650
1897.....	109,200	(1)	1912.....	221,559	1,434,433
1899.....	67,500	(1)	1913.....	130,921	2,067,245
1901.....	45,000	(1)	1914.....	116,628	3,262,358
1902.....	62,000	1,623,000	1915.....	59,790	1,855,003
1903.....	62,000	1,623,000	1916.....	40,624	1,607,300
1904.....	70,000	1,948,000	1917 ¹	26,313	633,052
1905.....	86,821	2,202,105	1918 ²	27,857	705,173
1906.....	229,377	3,074,060	1919.....	44,033	1,978,288
1907 ³	160,925	3,275,305	1920 ⁴	11,824	2,889,600

¹ No statistics available.

² Tonnage report since 1907 in short tons; previous reports in long tons.

³ Passengers carried, 41,600 in 1917 and 50,000 in 1918.

⁴ Exclusive of 2,000 tons, cargoes in transit, valued at \$3,000.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT.							
Animals and animal products, except wool and hair:						Miles.	Cents.
Oysters and clams.....	2, 490	-----	2, 490	\$90, 000	\$90, 000	3. 7	-----
Textiles: Rope.....		5	5	2, 000	2, 000	22. 5	-----
Wood and paper: Cork.....		50	50	5, 000	5, 000	22. 5	-----
Machinery and vehicles:							
Automobiles.....		6	6	37, 500	37, 500	22. 5	53. 7
Unclassified: General merchandise.....		2, 590	2, 590	741, 600	741, 600	22. 5	13. 3
Total.....	2, 490	2, 651	5, 141		876, 100	-----	-----
SHIPMENTS, INTRAPORT.							
Animals and animal products, except wool and hair:							
Fish.....	9		1, 177	2, 700	6, 000	15. 0	
Oysters and clams.....	4			1, 200		15. 0	
Oyster shells.....	1, 164			2, 100		5. 7	
Textiles: Burlap bags.....		100	100	8, 000	8, 000	22. 5	15. 1

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT—CON.							
Ores, metals, and manufactures, except machinery and vehicles: Automobile bumpers.....		63	63	\$75,000	\$75,000	Miles. 22.5	Cents. 15.1
Machinery and vehicles: Aeroplanes.....		29	29	585,000	585,000	22.5	
Unclassified.....			3,452		1,022,500		
General merchandise.....		3,357		978,500		22.5	13.3
Life preservers.....		50		20,000		22.5	
Lifeboats.....		27		20,000		22.5	
Life rafts.....		18		4,000		22.5	
Total.....	1,177	3,644	4,821		1,696,500		
RECEIPTS, INTERNAL.							
Nonmetallic minerals: Coal.....	1,859		1,859	17,000	17,000	52.5	
Unclassified: Airplane.....		3	3	300,000	300,000	84.0	.8
Total.....	1,859	3	1,862		317,000		
Total receipts and shipments.....	5,526	6,298	11,824		2,899,600		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	3,687	\$96,000
Textiles.....	105	10,000
Wood and paper.....	50	5,000
Nonmetallic minerals.....	1,859	17,000
Ores, metals, and manufactures, except machinery and vehicles.....	63	75,000
Machinery and vehicles.....	35	622,500
Unclassified.....	6,045	2,064,100
Total.....	11,824	2,899,600

Cargoes in transit, tons, 2,000; value, \$8,000.

Vessel classification, 1920.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers.....	1	270	270	320	364	9	11
Canal boats, lighters, barges, etc.....	2	107	107	.....	300	9	7
Motor boats.....	6	150	150	10	40	4.5	6.5
Unregistered canal boats, lighters, barges, etc.	1	3	3	336	500	2	9

MATAWAN CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895.....	338,025	(¹)	1909.....	16,800	\$22,000
1896.....	435,000	(¹)	1910.....	41,420	46,620
1897.....	415,000	(¹)	1911.....	48,745	86,060
1899.....	51,000	(¹)	1912.....	196,406	448,628
1901.....	60,000	(¹)	1913.....	79,065	146,890
1902.....	61,500	\$1,265,000	1914.....	70,553	194,358
1903.....	61,500	1,265,000	1915.....	11,974	44,608
1904.....	29,600	74,000	1916.....	5,000	10,000
1905.....	58,471	203,955	1917.....	1,114	2,280
1906.....	128,181	717,506	1918.....	3,072	6,148
1907 ²	40,900	163,500	1919.....	3,763	9,783
1908.....	10,167	38,265	1920.....	2,000	8,000

¹ No statistics available.² Tonnage reported since 1907 in short tons; previous reports in long tons.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commod- ities (bulk).	Amount in short tons by classes.	Value.		Aver- age haul.	Rate, ton- mile.
			By com- modities.	By classes.		
INTRAPORT RECEIPTS.						
Unclassified: Manure.	2,000	2,000	\$8,000	\$8,000	Miles. 23.5	Cents. 2.5

Vessel classification, 1920.

Class.	Num- ber of vessels, Amer- ican.	Total.		Tonnage of vessels.		Great- est draft (feet).
		Arriv- als.	Depart- ures.	Least.	Great- est.	
Unregistered: Miscellaneous craft.....	1	3	3	336	500	9

SHOAL HARBOR AND COMPTON CREEK, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1892.....	62,000	(1)	1907 ²	62,895	\$1,809,380
1893.....	69,500	(1)	1908.....	82,262	1,510,210
1894.....	104,000	\$328,500	1909.....	37,761	490,975
1895.....	152,000	(1)	1910.....	54,977	999,895
1896.....	167,000	337,000	1911.....	61,702	612,500
1897.....	184,000	(1)	1912.....	92,015	701,440
1898.....	194,500	(1)	1913.....	65,135	915,900
1899.....	226,000	(1)	1914.....	26,515	1,179,585
1900.....	179,500	(1)	1915.....	20,598	523,560
1901.....	180,000	2,960,500	1916.....	4,875	276,800
1902.....	48,790	964,260	1917.....	7,758	823,900
1903.....	65,175	1,367,200	1918.....	19,233	1,624,621
1904.....	28,570	906,350	1919.....	32,758	944,621
1905.....	34,340	1,198,200	1920.....	11,666	320,746
1906.....	34,538	1,167,920			

¹ No statistics available.² Tonnage reported since 1907 in short tons; previous reports in long tons.

No passengers carried.

(Navigation season, continuous.)

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT.							
Animals and animal products, except wool and hair.			10, 140		\$151, 764	Miles.	Cents.
Fish.....	10, 062			\$146, 764			
Oysters and clams.....	88			5, 000			
Unclassified: Pound poles.....		425	425	6, 275	6, 275		
Total.....	10, 140	425	10, 565		158, 039		
SHIPMENTS, INTRAPORT.							
Animals and animal products, except wool and hair.			676		156, 432		
Fish.....	636			152, 640		19	17. 4
Oysters and clams.....	40			3, 972		19	17. 4
Unclassified: Pound poles.....		425	425	6, 275	6, 275		
Total.....	676	425	1, 101		162, 707		
Total shipments and receipts.....	10, 816	850	11, 666		320, 746		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	10,816	\$306,196
Unclassified.....	850	12,550
Total.....	11,666	320,746

Vessel classification, 1920.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Greatest draft (feet).
		Arrivals.	Departures.	Least.	Greatest.	
Registered:						
Sailing vessels.....	1	133	133	.....	43	5
Miscellaneous craft.....	20	2,658	2,658	4	33	8

SHREWSBURY RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892.....	672,000	\$6,591,000	(1)	1906.....	1,668,500	\$7,235,000	(1)
1893.....	737,000	7,025,000	(1)	1907.....	1,718,125	6,629,750	(1)
1894.....	936,000	8,386,250	(1)	1908.....	1,854,160	6,270,000	(1)
1895.....	630,100	(1)	(1)	1909.....	1,969,920	7,320,000	438,478
1896.....	868,130	(1)	(1)	1910.....	1,608,600	6,548,000	471,875
1897.....	886,600	(1)	(1)	1912 ¹	1,306,188	6,820,750	405,558
1898.....	1,003,000	(1)	(1)	1914.....	411,635	8,684,723	339,547
1899.....	906,000	(1)	(1)	1915.....	141,012	3,993,348	305,732
1900.....	804,000	(1)	(1)	1916.....	108,201	2,760,550	273,022
1901.....	488,000	(1)	(1)	1917.....	95,302	2,436,810	410,312
1902.....	657,000	5,680,000	(1)	1918.....	49,332	4,288,612	186,000
1903.....	761,000	6,810,000	(1)	1919.....	66,963	5,034,073	174,178
1904.....	780,290	7,051,826	(1)	1920.....	42,179	4,732,869	185,003
1905.....	1,768,500	8,215,000	(1)				

¹ No statistics available.² Fiscal year 1911-12.

[Navigation season, about 11 months of the year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT.							
Animals and animal products, except wool and hair			2, 233		\$1, 031, 422	Miles.	Cents.
Fish		15		\$2, 400		30.0	22.0
Horses		520		201, 250		30.0	26.6
Poultry		262		209, 660		30.0	26.6
Oysters and clams		111		3, 712		30.0	12.0
Dressed meats		1, 000		600, 000		30.0	16.6
Cattle		325		14, 400		30.0	12.0
Vegetable food products, oil seeds, expressed oils, and beverages			4, 547		504, 625		
Fruits		1, 562		181, 500		30.0	16.6
Vegetables		1, 877		175, 125		30.0	16.6
Grain		313		15, 000		30.0	7.3
Sugar		550		108, 000		30.0	26.6
Flour		245		25, 000		30.0	9.8
Other vegetable products, except fibers and wood:							
Rubber goods		20	20	16, 000	16, 000	30.0	16.6
Textiles			3, 550		1, 857, 500		
Clothing and woolsens		1, 000		500, 000		30.0	16.6
Dry goods		1, 750		1, 050, 000		30.0	21.3
Cotton goods		750		300, 000		30.0	21.3
Rope		50		7, 500		30.0	7.3

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTRAPORT—CON.							
Wood and paper.....			132		\$5, 597	Miles.	Cents.
Lumber and timber (sawed).....		120		\$4, 800		30.0	9.3
Shingles.....		8		342		30.0	7.3
Laths.....		4		455		30.0	7.3
Nonmetallic minerals.....			25, 757		92, 300		
Riprap.....	21, 000			30, 000		30.0	
Cement.....		80		1, 400		30.0	23.3
Lime.....		35		1, 050		30.0	9.3
Glassware.....		25		8, 750		30.0	9.3
Coal.....		4, 603		50, 400		23.6	4.2
Sewer pipe.....		14		700		30.0	9.3
Ores, metals, and manufac- tures, except machinery and vehicles.....			1, 028		192, 775		
Copper (sheet, bar, etc.).....		18		5, 400		30.0	12.0
Cast-iron manufactures.....		75		18, 750		30.0	12.0
Agricultural implements.....		125		21, 875		30.0	8.6
Structural steel.....		200		20, 000		30.0	12.0
Wire (iron and steel).....		50		750		30.0	9.3
Lead (sheet, bars, ingots).....		10		1, 000		30.0	9.3
Lead (manufactures).....		25		5, 000		30.0	16.6
Cast-iron pipe.....		75		7, 500		30.0	7.3
Hardware.....		450		112, 500		30.0	12.0
Machinery and vehicles.....			817		771, 000		
Machinery.....		80		16, 000		30.0	13.3
Automobiles.....		737		755, 000		30.0	30.0
Chemicals.....			520		41, 800		
Chemicals.....		70		8, 050		30.0	16.6
Chemical fertilizer.....		450		33, 750		30.0	12.0
Unclassified.....			675		205, 250		
General merchandise.....		625		187, 500		30.0	
Pianos.....		50		17, 750		30.0	16.6
Total.....	21, 000	18, 279	30, 279		4, 718, 269		
SHIPMENTS, INTRAPORT.							
Machinery and vehicles: Automobiles.....		11	11	10, 000	10, 000	30.0	30.0
RECEIPTS, INTERNAL.							
Nonmetallic minerals: Crushed stone.....	2, 889		2, 889	4, 600	4, 600	69.0	1.3
Total receipts and shipments.....	23, 889	18, 290	42, 179		4, 732, 869		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	2, 233	\$1, 031, 422
Vegetable food products, oil seeds, expressed oils, and beverages.....	4, 547	504, 625
Other vegetable products, except fibers and wood.....	30	16, 000
Textiles.....	3, 550	1, 857, 500
Wood and paper.....	132	5, 597
Nonmetallic minerals.....	28, 646	98, 900
Ores, metals, and manufactures, except machinery and vehicles.....	1, 023	192, 775
Machinery and vehicles.....	828	781, 000
Chemicals.....	530	41, 800
Unclassified.....	675	205, 250
Total.....	42, 179	4, 732, 869

Vessel classification, 1920.

Class.	Number of vessels, American.	Total.		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	4	1,348	1,348	268	558	4	7
Towboats	6	47	47	17	73	6	9
Sailing vessels	2	96	96	.....	40	4	6
Canal boats, lighters, barges, etc.	9	20	20	400	600	5	9
Unregistered, canal boats, lighters, barges, etc.	12	27	27	400	600	5	9

Passengers carried, 185,003.

PHILADELPHIA, PA., DISTRICT.

DELAWARE RIVER, N. J., LALOR STREET, TRENTON, TO UPPER RAILROAD BRIDGE.

Statistics for this section are included in the following report on Delaware River, Pa. and N. J., Philadelphia to Trenton, N. J.

DELAWARE RIVER, FROM ALLEGHENY AVENUE, PHILADELPHIA, PA., TO TRENTON, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	1,547,787	\$7,676,323	.....	1917.....	2,439,044	\$19,550,146	220,000
1913.....	1,890,521	8,914,441	.....	1918.....	2,536,496	47,856,974	230,000
1914.....	1,712,271	11,254,950	.....	1919.....	2,857,937	52,393,003	235,000
1915.....	1,782,422	16,196,779	167,500	1920.....	2,663,890	33,295,890	298,828
1916.....	2,304,364	20,701,880	210,000				

Figures in the comparative statement of commerce for calendar years prior to 1920 include freight in transit, which class of commerce for these years is now impracticable of separation. For 1920 the freight in transit has been excluded from the comparative statement, but has been compiled separately and published with the statistics for the calendar year.

[Navigation season, Mar. 1 to Dec. 31, 1920.]

Freight Traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul. ¹
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, COASTWISE.						
Wood and paper			26, 827		\$621, 380	Miles.
Lumber	20, 940			\$544, 440		33
Mine props	1, 416			10, 620		33
Pulp wood	2, 100			18, 900		33
Ties, railroad	2, 371			47, 420		33
Nonmetallic minerals			2, 516		66, 028	33
Feldspar	760			45, 600		33
Rock salt	860			4, 300		33
Sulphur		896		16, 128		33
Total	28, 447	896	29, 343		687, 408	
SHIPMENTS, COASTWISE.						
Nonmetallic minerals			9, 865		\$68, 979	
Coal	9, 085			\$67, 988		33
Sand and gravel	800			991		36
Ores, metals, and manufactures, except machinery and vehicles:						
Iron pipe	312		312	23, 400	23, 400	33
Chemicals			10, 792		379, 260	
Fertilizer		9, 252		323, 820		33
Phosphate		1, 540		55, 440		33
Total	10, 177	10, 792	20, 969		471, 639	
Total receipts and ship- ments	38, 624	11, 688	50, 312		1, 159, 047	
RECEIPTS, LOCAL.						
Vegetable food products, oil seeds, expressed oils and beverages:						
Sugar, refined		50	50	11, 000	11, 000	33
Wood and paper			3, 190		132, 860	
Lumber	2, 230			56, 000		33
Roofing material		762		76, 200		33
Wood	198			660		33
Nonmetallic minerals			488, 084		6, 088, 937	
Asphalt	400			6, 000		33
Cement		17, 578		316, 404		33
Coal	337, 420			2, 208, 931		33
Coke	43, 913			421, 760		33
Petroleum, gasoline and other oils	78, 933			3, 056, 106		31
Do		2, 305		73, 301		33
Sand and gravel	2, 531			4, 931		
Stone	5, 004			6, 504		33
Ores, metals and manufactures, except machinery and vehicles:			1, 890		148, 197	
Iron and steel, manufactured		560		112, 000		33
Iron, scrap	245			6, 484		33
Pig iron	1, 075			29, 713		33
Machinery and vehicles: Boilers		1, 971	1, 971	843, 588	843, 588	32
Chemicals			36, 048		471, 733	
Coal tar		19, 496		233, 940		33
Coal tar products		1, 566		23, 460		33
Fertilizer		759		22, 243		33
Manure	10, 800			37, 800		33
Muriatic acid		3, 428		154, 280		33
Unclassified: General merchandise		35, 549	35, 549	15, 997, 050	15, 997, 050	33
Total	482, 749	84, 023	566, 772		23, 698, 365	

¹ Represents haul over improved section only.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
SHIPMENTS, LOCAL.						
Textiles: Bags, empty	37	.....	37	\$1,850	\$1,850	Miles. 33
Wood and paper: Lumber	481	.....	481	12,025	12,025	33
Nonmetallic minerals.....			2,025,642		1,961,923	.....
Bricks.....	3,207	.....		51,555		33
Coal.....	63,260	.....		406,433		33
Sand and gravel.....	1,959,175	.....		1,500,935		30
Ores, metals, and manufactures, except machinery and vehicles.....			2,908		252,430	.....
Iron and steel, manufactured.....		100		20,000		33
Iron pipe.....	2,806	.....		232,430		33
Machinery and vehicles: Boilers.....		198	198	75,000	75,000	33
Unclassified.....			17,530		6,140,250	.....
Carboys, empty.....	2,429	.....		243,000		33
Cinders.....	2,000	.....		1,800		33
General merchandise.....	13,101	.....		5,895,450		33
Total.....	2,046,498	296	2,046,796	.....	8,443,478	.....
Total receipts and ship- ments.....	2,529,247	84,321	2,613,568	.....	32,136,843	.....

Commerce in above tables include traffic passing through the canals to and from the river.

Receipts, local, represent traffic originating at Philadelphia and destined to Trenton and other intermediate points between Philadelphia, Pa., and Trenton, N. J.

Shipments, local, represent traffic originating at Trenton and other intermediate points between Philadelphia, Pa., and Trenton, N. J., and destined to Philadelphia, Pa.

The largest part of this traffic originated at or was destined to Trenton, N. J.

Cargoes in transit.

Commodities.	Amounts in short tons.	Value.	Commodities.	Amounts in short tons.	Value.
Brimstone.....	20	\$602	Petroleum, gasoline and other oils.....	51,192	\$1,987,540
Chemicals and drugs.....	374	14,960	Soda, sulphite of.....	19	880
Coal.....	14,907	106,475	Ties, railroad.....	17	362
Lumber.....	1,005	32,500	Total.....	69,695	2,750,266
Paint.....	3	923			
Paper, printing.....	2,158	606,024			

SUMMARY.

Classes of commodities.	Domestic.									
	Coastwise.				Local.				Total.	
	Receipts.		Shipments		Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Vegetable food products, oil seeds, expressed oils, and beverages.....	.				50	\$11,000			50	\$11,000
Textiles.....	26,827	\$621,380			3,190	132,890	37	\$1,850	37	1,850
Wood and paper.....	2,516	66,028			488,084	6,068,937	481	12,025	30,498	766,265
Nonmetallic minerals.....							2,025,642	1,961,923	2,526,107	8,185,967
Ores, metals, and manufactures of, except machinery and vehicles.....										
Machinery and vehicles.....										
Chemicals.....										
Unclassified.....										
	29,343	687,408	20,969	471,639	566,772	23,693,365	2,046,796	8,443,478	2,663,880	33,265,890

Cargoes in transit, short tons, 66,695; value, \$2,750,266.

Vessel classification, 1920.

Statistics as to vessel classification are not available for this section of the river, but are included in the commercial statistics for that section of the river from Philadelphia to the sea.

DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Revenue collected.
1914.....	24,817,952	\$1,033,229,969	3,039,063	
1915.....	26,189,790	1,116,529,839	2,588,892	\$11,683,331
1916.....	28,974,016	1,525,614,807	2,850,090	15,932,340
1917.....	28,721,778	1,945,965,885	1,527,000	14,377,522
1918.....	24,967,446	2,726,118,519	3,349,286	16,610,733
1919.....	23,895,976	2,448,773,822	3,390,014	20,019,617
1920.....	23,947,248	1,362,650,056	1,623,146	22,304,097

Figures in the comparative statement of commerce for calendar years prior to 1920 include car ferry and other across-river traffic, and freight in transit, which classes of commerce for these years is now impracticable of separation. For 1920 the car ferry and other across-river traffic, and freight in transit, have been excluded from the comparative statement, but have been compiled separately and published with the statistics for the calendar year.

[Navigation season, river open for navigation throughout the year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		72,750		\$25,961,227
Beef and veal.....	713		\$254,696	
Beeswax.....	12		5,085	
Bones, hoofs, and horns, unmanufactured.....	15,138		704,807	
Butter and substitutes for.....	244		282,802	
Calfskins, dry.....	14		5,378	
Calfskins, green or pickled.....	1,648		1,140,001	
Cheese, and substitutes for.....	8		8,860	
Cod and cod-liver oil.....	59		16,336	
Cod, haddock, hake.....	28		8,225	
Crab meat.....	1		822	
Eggs, dried, frozen, etc., and yolks of.....	58		35,196	
Feathers, etc., crude, etc.....	5		19,133	
Fish, cured or preserved, all other.....	57		10,566	
Fish, except shell fish, packed in oil, etc.....	20		11,840	
Fish, fresh, except shell fish.....	101		17,596	
Fish, all other.....	245		102,068	
Goatskins, dry.....	19,295		13,014,554	
Goatskins, green or pickled.....	13,702		4,700,936	
Grease and oils, etc., all other.....	199		38,449	
Harness and saddle leather.....	6		5,596	
Herring.....	419		50,427	
Hide cuttings, raw.....	2,278		133,181	
Hides of cattle, dry.....	117		52,022	
Hides of cattle, green or pickled.....	2,106		743,958	
Horse, colt, and ass skins, dry.....	108		38,075	
Horse, colt, and ass skins, green or pickled.....	183		63,320	
Hides and skins, etc., all other.....	1		273	
Kangaroo skins.....	174		353,084	
Lactarene or casein.....	513		112,756	
Leather, patent japanned, varnished, etc.....	1		3,951	
Leather, sole.....	324		414,419	
Leather, upper, calf and kip.....	14		26,171	
Leather, upper, goat and kid.....	1		4,239	
Leather, upper, sheep and lamb.....	11		45,447	
Leather, upper, all other.....	5		19,721	
Mackerel.....	2,797		530,437	
Meats, prepared or preserved.....	56		17,580	
Mother-of-pearl.....	28		34,380	
Mutton and lamb.....	153		75,983	
Sheepskins, dry.....	2,196		455,098	
Sheepskins, green or pickled.....	9,584		2,365,083	
Shells, unmanufactured.....	8		4,474	
Tallow.....	166		33,573	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Vegetable food products, oil seeds, expressed oils, and beverages.....		853,101		\$168,685,845
Almonds, not shelled.....	120		\$57,660	
Almonds, shelled.....	7		6,979	
Bananas.....	78,733		1,327,886	
Beans and lentils.....	32		4,063	
Brandy, pf.....	1		987	
Chinese nut oil.....	8		3,916	
Cocoa, or cacao, crude.....	8,361		2,135,230	
Coconut meat, broken, or copra, etc.....	823		99,530	
Coconuts in the shell.....	150		45,530	
Coffee.....	14		6,563	
Corn.....	3,060		150,088	
Currants.....	1,142		254,294	
Dates.....	91		14,531	
Farinaceous substances, sago, tapioca, etc.....	6		7,090	
Figs.....	169		19,852	
Filberts, not shelled.....	78		13,115	
Filberts, shelled.....	24		9,745	
Flaxseed or linseed.....	17,712		1,819,696	
Ginger root, not preserved.....	233		43,484	
Hay.....	25		560	
Marrons.....	29		2,320	
Molasses.....	58,275		342,988	
Mushrooms and truffles.....	6		4,456	
Oats.....	1,745		81,556	
Oil cake.....	5		1,512	
Olive oil, edible.....	25		9,415	
Olive oil, fit only for manufacture, etc.....	28		8,846	
Onions.....	51		2,913	
Palm kernel oil.....	123		33,264	
Palm oil.....	2,267		532,422	
Peanut oil.....	8		2,269	
Peanuts, shelled.....	289		72,343	
Peas.....	86		10,711	
Pepper, black or white.....	130		41,444	
Raisins and other dried grapes.....	530		163,621	
Rape-seed oil.....	12		3,409	
Spices, all other.....	144		107,205	
Still wines, in casks.....	44		18,862	
Still wines in other coverings.....	3		1,760	
Sugar candy and confectionery.....	4		3,671	
Sugar, cane, except from Philippine Islands.....	626,870		146,656,492	
Sugar, cane, from the Philippine Islands.....	49,891		14,115,231	
Sulphur oil or olive foots.....	671		194,963	
Tea.....	11		6,310	
Vanilla beans.....	35		124,758	
Vinegar.....	3		596	
Walnuts, not shelled.....	56		22,950	
Walnuts, shelled.....	14		7,700	
Wax, vegetable.....	112		35,485	
Wheat.....	750		59,682	
Wheat flour.....	75		5,479	
Other vegetable products, except fibers and wood.....		46,161		9,735,663
Barks, cinchona, etc., and salts.....	963		1,019,284	
Broom corn.....	1		238	
Cigars and cheroots.....	15		242,354	
Dyewoods, all other.....	690		16,400	
Grass seed, clover, red.....	320		244,736	
Grass seed, clover, all other.....	211		75,968	
Grass seed, all other.....	369		143,663	
Gums, camphor, refined, and synthetic.....	4		9,638	
Gums, copal, kauri, and damar.....	212		56,238	
Gums, shellac.....	764		1,233,186	
Gums, all other.....	67		36,108	
Gutta-percha, crude.....	48		9,910	
India rubber, crude.....	447		375,736	
India rubber, scrap or refuse, etc.....	16		3,327	
Ivory, vegetable, Tagua nuts.....	21		4,967	
Licorice root.....	20,706		2,287,624	
Logwood.....	18,879		591,086	
Mangrove bark.....	603		19,877	
Moss, seaweeds, and vegetable substances, etc.....	88		15,327	
Opium, containing 9 per cent and over of morphia.....	19		201,333	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS—continued.				
Other vegetable products, except fibers and wood—Con.				
Quebracho, extract of.....	332		\$52, 479	
Starch.....	6		5, 137	
Sumac, ground or unground.....	322		25, 568	
Tobacco leaf, suitable for cigar wrappers.....	281		1, 036, 905	
Tobacco leaf, all other.....	827		2, 008, 479	
Textiles.....		43, 601		\$21, 506, 579
Bagging, gunny cloth, etc.....	35		22, 711	
Burlaps, etc., not bleached, etc.....	11, 018		4, 045, 576	
Cotton thread, except spool, etc.....	799		3, 919, 306	
Fabrics, etc., burlaps, etc., bleached, etc.....	24		8, 124	
Fibers, etc., bags of jute.....	7		3, 565	
Fibers, etc., yarns.....	365		149, 576	
Fibers, etc., unmanufactured, all other.....	28		4, 725	
Flax.....	349		142, 670	
Hair, Angora goat, alpaca, etc., manufactured.....	3		22, 575	
Hair, unmanufactured, other animal.....	101		44, 120	
Hair, human, uncleaned.....	2		1, 656	
Hemp.....	251		115, 480	
Horsehair.....	238		397, 702	
Jute and jute butts.....	1, 549		204, 435	
Manila.....	62		18, 286	
Rags, other than woolen.....	22, 540		1, 200, 128	
Silk, artificial, yarns, threads, etc.....	24		159, 453	
Silk fabrics woven in the piece.....	17		285, 417	
Silk, unmanufactured, raw, in skeins, etc.....	38		792, 665	
Silk, unmanufactured, waste.....	1, 043		2, 040, 431	
Silk, spun, or schappe silk yarn.....	264		2, 055, 520	
Sisal grass.....	157		33, 136	
Wool, unmanufactured, class 1, clothing.....	1, 350		1, 732, 427	
Wool, unmanufactured, class 2, combing.....	73		109, 442	
Wool, unmanufactured, class 2, hair, Angora goat, etc.....				
Wool, unmanufactured, class 3, carpet.....	220		240, 217	
Wool taps.....	2, 704		1, 467, 691	
Wool yarn.....	40		104, 968	
Wood and paper.....		96, 902		9, 813, 185
Cork, waste.....	10, 859		422, 573	
Cork wood or bark, unmanufactured.....	7, 876		352, 795	
Lithographic labels and prints, etc.....	39		26, 536	
Paper stock, crude.....	18, 977		1, 081, 978	
Photographic paper.....	6		27, 842	
Printing paper.....	1, 633		156, 432	
Printing paper, etc., over 2½ cents per pound.....	193		53, 236	
Surface-coated paper.....	58		22, 312	
Wood pulp, chemical, bleach, sulphate.....	3, 830		498, 261	
Wood pulp, chemical, unbleach, sulphate.....	13, 238		1, 780, 790	
Wood pulp, chemical, bleach, sulphite.....	4, 886		886, 771	
Wood pulp, chemical, unbleach, sulphite.....	26, 212		3, 731, 654	
Wood pulp, mechanically ground.....	8, 994		771, 590	
Wrapping paper.....	1		415	
Nonmetallic minerals.....		1, 585, 959		6, 854, 221
Asbestos, unmanufactured.....	2, 811		337, 326	
Benzine, gasoline, and naphtha.....	10, 238		322, 400	
Chalk, unmanufactured.....	43, 109		54, 656	
Clay, china, or kaolin.....	90, 276		879, 713	
Clay, common blue.....	21, 422		184, 192	
Clays or earths, all other.....	6, 412		55, 669	
Cylinder, etc., glass, unpolished.....	18		6, 636	
Emery ore.....	1, 565		45, 497	
Fluorspar.....	4, 763		40, 465	
Glass bottles, etc., empty or filled.....	33		3, 049	
Magnesite, calcined, not purified.....	6		241, 978	
Mineral oil, crude.....	1, 301, 527		3, 639, 831	
Mineral oil, all other.....	9, 639		312, 174	
Monazite sand or thorite.....	1, 069		113, 128	
Paraffin, not including oil.....	252		75, 324	
Salt.....	24, 439		96, 675	
Sulphur ore, as pyrites or sulphur of iron, etc.....	68, 250		401, 770	
Wax, mineral.....	140		43, 738	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Ores, metals, and manufactures, except machinery and vehicles.....		607, 255		\$8, 708, 551
Aluminum, crude, scrap, etc.....	174		\$108, 024	
Bar iron.....	393		51, 474	
Brass, old.....	593		126, 076	
Building forms.....	1		126	
Chromate of iron.....	75, 051		841, 481	
Composition metal, copper chief value.....	14		8, 082	
Copper matte and regulus, coarse, metal and cement.....	25		6, 075	
Copper, old, and clippings, etc.....	470		109, 084	
Copper.....	277		107, 968	
Copper, refined, in bars, plates, etc.....	18		11, 066	
Copper, unrefined black, etc.....	2		844	
Ferroalloys, except ferrosilicon.....	140		143, 509	
Hardening ore.....	1, 964		36, 660	
Ingots, etc., and castings of steel.....	124		81, 560	
Iron ore.....	249, 409		923, 737	
Lead, pigs, bars and old.....	280		31, 067	
Manganese, oxide and ore of.....	246, 754		4, 410, 213	
Pig iron, ferromanganese.....	8, 063		1, 138, 875	
Pig iron, other, except ferrosilicon.....	21, 691		78, 728	
Scrap iron and steel.....	1, 142		35, 978	
Sheets and plates.....	10		4, 615	
Tin, bars, blocks, pig or grain, etc.....	428		407, 839	
Tin plates, terneplates, etc.....	107		32, 549	
Wire rods.....	55		12, 590	
Zinc ore.....	30		2, 351	
Chemicals.....		131, 088		8, 326, 461
Acids, all other.....	17		9, 169	
Ammonia, muriate of, or sal ammoniac.....	601		141, 002	
Argols.....	7		3, 297	
Benzol.....	104		2, 805	
Bone dust, bone ash, and bone meal.....	4, 331		256, 785	
Castile soap.....	20		7, 078	
Coal-tar colors or dyes.....	60		190, 313	
Fertilizers, all other.....	2, 776		173, 949	
Glycerin, crude.....	4, 108		1, 126, 085	
Indigo.....	1		2, 187	
Iodine, crude.....	5		24, 817	
Kainit.....	6, 518		141, 984	
Lees, alkalies.....	64		35, 485	
Lime, chloride of, or bleaching powder.....	168		11, 462	
Lime, citrate of.....	2, 083		922, 113	
Manure salts.....	11, 283		295, 477	
Naphthaline.....	882		63, 317	
Oil, dead or creosote.....	7, 977		180, 086	
Potash, carbonate of, etc.....	17		10, 115	
Potash, hydrate of, etc.....	20		242, 743	
Potash, nitrate of.....	217		40, 321	
Potash, salts of.....	39		11, 592	
Potash, sulphate of.....	226		23, 073	
Soap, all other.....	6		3, 598	
Soda, nitrate of.....	89, 378		4, 403, 565	
Talc, ground or prepared.....	170		2, 984	
Unclassified.....		371, 951		22, 567, 159
Bristles, not sorted, etc.....	2		8, 292	
Bristles, sorted, bunched, etc.....	86		192, 310	
General merchandise and miscellaneous.....	371, 663		22, 366, 587	
Total.....		3, 806, 768		282, 157, 831
EXPORTS.				
Animals and animal products, except wool and hair.....		56, 124		26, 422, 668
Glue, animal.....	26		9, 757	
Hides and skins, raw—				
Cattle.....	163		44, 661	
Horse.....	16		9, 731	
All other.....	30		14, 266	
Leather belting.....	30		130, 250	
Leather, sole.....	576		753, 778	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Animals and animal products, except wool and hair—Continued.				
Meat and dairy products—				
Beef products—				
Beef, canned.....	1,094		\$450,183	
Beef, fresh.....	339		147,078	
Beef, pickled.....	136		42,858	
Oleo oil.....	1,975		864,712	
Oleomargarine.....	216		147,992	
Tallow.....	101		33,395	
Hog products—				
Bacon and cured sides.....	23,908		11,844,970	
Hams and shoulders.....	3,878		1,961,063	
Lard.....	12,080		5,495,103	
Neutral lard.....	606		296,978	
Pork, canned.....	7		2,625	
Pork, fresh.....	772		379,519	
Pork, pickled.....	252		81,416	
Lard compounds and substitutes.....	188		117,226	
Sausage—				
Canned.....	1		685	
All other.....	41		34,196	
Sausage casings.....	896		325,599	
Stearin from animal fats.....	333		134,572	
Dairy products—				
Cheese.....	70		30,730	
Milk—				
Condensed.....	6,247		2,352,726	
Evaporated.....	1,380		363,154	
Powdered.....	46		13,191	
Oils, animal—				
Fish.....	1		661	
Other.....	414		181,011	
Salmon, canned.....	301		156,533	
Vegetable food products, oil seeds, expressed oils, and beverages.....		1,023,696		\$117,170,701
Breadstuffs—				
Barley.....	5,465		425,592	
Bran and middlings.....	26		3,065	
Bread and biscuit.....	55		5,675	
Corn.....	19,618		1,270,355	
Corn meal and corn flour.....	9,464		1,430,750	
Dried grains.....	25		1,210	
Mill feed.....	400		22,900	
Oats.....	2,019		117,561	
Preparations for table food—				
Oatmeal and rolled oats.....	816		88,124	
Other cereal preparations.....	3,300		356,758	
Rice.....	16		4,637	
Rye.....	63,868		4,864,821	
Rye flour.....	10,823		1,100,623	
Wheat.....	530,530		49,045,079	
Wheat flour.....	296,303		33,113,327	
Coffee—				
Green or raw.....	1		1,092	
Roasted.....	12		9,911	
Fruits—				
Apples, dried.....	278		98,439	
Apples, green or ripe.....	8,682		1,075,312	
Apricots, dried.....	199		90,235	
Cannery waste.....	19		4,957	
Peaches, dried.....	636		219,645	
Prunes, dried.....	5,216		1,632,257	
Raisins.....	1,179		340,486	
Glucose.....	141		18,096	
Grape sugar.....	37		4,069	
Hay.....	320		15,766	
Malt.....	1,159		101,382	
Oil cake and oil-cake meal—				
Cottonseed—				
Cake.....	34		2,788	
Meal.....	34		4,703	
Linseed or flaxseed: Cake.....	4,476		235,711	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Vegetable food products, oil seeds, expressed oils, and beverages—Continued.				
Oils, vegetable—				
Cocoa butter.....	6		\$4,800	
Coconut.....	896		378,596	
Corn.....	4		1,565	
Cottonseed.....	275		128,476	
Soya bean.....	1,509		620,427	
Peanuts.....	5		1,576	
Stearin, vegetables.....	30		3,780	
Sugar and molasses—				
Molasses.....	902		42,875	
Sirup.....	7,463		764,146	
Refined sugar.....	41,063		7,449,384	
Vegetables—				
Beans.....	303		53,064	
Peas, dried.....	257		39,437	
Potatoes.....	86		3,852	
Vinegar.....	7		1,109	
Whisky—				
Bourbon.....	2,717		9,021,471	
Rye.....	851		2,952,837	
Wines.....	1		1,000	
Other vegetable products, except fibers and wood.....		22,286		\$15,789,837
Hops.....	1,422		2,015,474	
India rubber, reclaimed.....	63		15,529	
India rubber, scrap and old.....	305		35,621	
Naval stores—				
Rosin.....	492		93,038	
Tar, turpentine, and pitch.....	16		1,573	
Peppermint oil.....	4		65,990	
Seeds, grass—				
Clover.....	293		206,802	
Timothy.....	278		54,785	
Other.....	109		45,138	
Starch—				
Cornstarch.....	1,828		208,721	
All other.....	3,819		458,674	
Tobacco, unmanufactured:				
Leaf.....	12,923		12,498,350	
Stems and trimmings.....	721		68,475	
Tobacco, manufactured:				
Plug.....	20		19,910	
Smoking.....	3		3,757	
Textiles.....		4,110		2,632,157
Cordage.....	21		11,092	
Cotton, mill waste.....	1,144		416,009	
Cotton rags.....	4		1,068	
Cotton, unmanufactured—				
Upland.....	2,026		1,664,457	
Linters.....	468		90,321	
Cotton yarn.....	261		408,645	
Twine, binder.....	112		29,543	
Woolen rags.....	56		16,583	
Wool, unmanufactured.....	18		16,449	
Wood and paper.....		31,491		2,604,930
Lumber.....	28,620		1,966,223	
Paper—				
Printing paper—				
Newsprint.....	1,029		181,242	
Other.....	1,024		318,621	
Wrapping.....	515		131,930	
Paper stock.....	116		15,296	
Wood pulp.....	187		21,619	
Nonmetallic minerals.....		4,368,147		117,377,213
Asbestos, ore and unmanufactured.....	311		79,143	
Asphaltum, unmanufactured.....	1,310		67,253	
Brick—				
Building.....	73		2,345	
Fire.....	844		54,976	
Cement, hydraulic.....	11,809		204,441	
Clays—				
Fire.....	73		4,512	
Other.....	396		36,117	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Nonmetallic minerals—Continued.				
Coal—				
Anthracite.....	157,162		\$1,467,462	
Bituminous.....	2,461,153		28,386,705	
Coke.....	25,174		524,412	
Lime.....	13		1,309	
Oils, mineral—				
Crude.....	326		13,290	
Refined or manufactured—				
Fuel and gas.....	150,421		4,596,817	
Illuminating oil.....	344,341		15,203,062	
Lubricating.....	450,808		41,948,240	
Naphthas and lighter products—				
Gasoline.....	503,641		10,873,377	
Other.....	137,153		10,252,681	
Residuum.....	135		5,478	
Paraffin—				
Unrefined.....	21,718		3,059,511	
Refined.....	2,429		489,342	
Plumbago or graphite, unmanufactured.....	66		7,715	
Salt.....	1		35	
Ores, metals, and manufactures, except machinery and vehicles.....		332,094		\$26,455,701
Aluminum.....	4		2,400	
Copper—				
Refined, in ingots, bars etc.....	115		41,125	
Pipes and tubes.....	10		8,697	
Plates and sheets.....	8		5,793	
Wire, except insulates.....	35		15,873	
Iron and steel—				
Pig iron—				
Ferromanganese.....	2		530	
Ferrosilicon.....	50		5,013	
All other.....	30,336		1,385,304	
Scrap and old.....	29,783		999,139	
Bar iron.....	4,333		288,288	
Bars or rods of steel—				
Wire rods.....	5,434		426,115	
All other.....	30,937		2,300,615	
Billets, ingots, and blooms of steel.....	20,442		1,234,863	
Bolts, nuts, rivets, and washers.....	1,483		223,347	
Hoop, band, and scroll.....	1,006		81,327	
Horseshoes.....	37		2,966	
Nails, wire.....	2,683		293,612	
All other, including tacks.....	24		6,508	
Pipes and fittings—				
Cast.....	2,792		490,302	
Wrought.....	19,507		2,369,443	
Radiators and house heating boilers.....	1,454		185,302	
Railway track material—				
Railroad spikes.....	324		34,378	
Rails of steel.....	13,830		855,544	
Sheets and plates—				
Galvanized.....	4,311		553,532	
Iron sheets and plates.....	98		12,664	
Steel plates.....	108,048		8,979,407	
Steel sheets.....	4,486		537,345	
Ship and tank plates.....	7,030		628,797	
Structural iron and steel.....	22,881		1,680,922	
Tin plates and terneplates.....	6,724		1,206,744	
Wire—				
Barbed.....	5,394		585,318	
Other.....	5,244		566,437	
Lead, pigs, bars, etc.....	4		918	
Metals and metal compositions—				
Babbitt metal.....	6		4,587	
Ferrovanadium.....	5		28,709	
Tin, pigs, bars, etc.....	38		42,395	
Zinc—				
Dross.....	2,100		211,597	
Spelter, cast in pigs, bars, etc.....	724		124,328	
Zinc, rolled in sheets, strips, etc.....	277		65,127	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Chemicals.....		41,388		\$40,903,222
Alcohol.....	1,545		\$183,003	
Alcohol, wood.....	30		11,607	
Benzol.....	990		66,506	
Explosives—				
Dynamite.....	97		40,097	
Gunpowder.....	21,307		37,813,525	
Fertilizers—				
Superphosphates.....	1,117		92,054	
Sulphate of ammonia.....	273		25,004	
All other.....	2		70	
Glycerine.....	4		2,574	
Lime, acetate of.....	480		38,147	
Lime, chlorate of.....	17		1,227	
Paints, colors and varnishes—				
Lead—				
Red.....	21		4,859	
White.....	3,171		707,204	
Ready-mixed paints.....	213		109,401	
Varnish.....	163		62,914	
Zinc, oxide of.....	365		64,801	
Potash, chlorate of.....	281		76,334	
Soda ash.....	678		390,336	
Soda—				
Bicarbonate.....	142		10,312	
Caustic.....	10,272		1,186,161	
Silicate of.....	111		5,563	
Washing powder.....	109		11,519	
Unclassified.....		1,695,662		101,766,787
Candles.....	107		32,280	
General merchandise and miscellaneous.....	1,695,555		101,734,507	
Total.....		7,575,008		451,043,216
Total imports and exports.....		11,383,776		733,201,047

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, COASTWISE.						
Animals and animal products, except wool and hair.....			23,520		\$17,056,710	Miles.
Bones.....	10,946			\$458,848		102
Butter.....		31		31,000		40
Cattle.....		224		66,888		40
Cheese.....		4		3,200		40
Eggs.....		488		268,290		40
Fish.....		466		187,600		40
Fish oil.....		522		41,760		40
Hides and skins.....		10,618		15,927,000		47
Live stock.....		90		36,000		46
Oysters and clams.....		67		4,288		46
Oyster shells.....	32			96		102
Wax.....		29		1,740		40
Vegetable food products, oil seeds, expressed oils, and beverages.....			248,732		29,662,126	
Canned goods.....		2,677		535,400		98
Flour.....		210,526		21,864,560		100
Fruits and produce.....		3,121		284,075		60
Grain.....		2,297		172,275		102
Groceries and foodstuffs.....		11,291		1,975,925		42
Liquors.....		459		668,500		40
Molasses.....		13		2,600		40

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, COASTWISE—continued.						
Vegetable food products, oil seeds, expressed oils, and beverages— Continued.						Miles.
Peanuts.....		677		\$162,480		102
Potatoes.....		1,303		104,240		102
Raisins.....		78		31,200		40
Sugar—						
Raw.....		16,397		3,867,621		102
Refined.....		93		23,250		102
Other vegetable products, except fibers and wood.....			22,289	\$1,945,260		
Naval stores.....		1,462		219,300		102
Rosin and turpentine.....		20,712		1,656,960		102
Tobacco.....		115		69,000		102
Textiles.....			28,954		31,042,950	
Bagging.....		405		20,250		72
Cotton.....		1,391		556,400		99
Dry goods.....		21,233		23,356,300		91
Wool.....		5,925		7,110,000		100
Wood and paper.....			193,283		4,382,473	
Baskets, barrels, and crates.....		33		4,125		40
Furniture.....		907		213,145		42
Lumber.....	94,476			2,460,972		96
Mine props.....	9,766			73,245		40
Paper.....		3,621		651,780		102
Pulpwood.....	62,056			563,704		81
Ties.....	22,424			415,502		87
Nonmetallic minerals.....			1,435,676		42,344,905	
Chalk.....		700		1,050		99
Clay and fuller's earth.....		3,000		22,500		102
Coal.....	12,145			99,484		102
Feldspar.....	1,400			21,000		102
Infusorial earth.....		300		15,000		102
Petroleum, gasoline, and other oils.....	1,372,428			41,363,217		88
Sulphur.....		45,703		822,654		100
Ores, metals, and manufactures, except machinery and vehicles.....			15,463		987,131	
Hardware.....		986		197,200		40
Iron and steel billets.....		7,667		260,678		40
Iron and steel.....	2,118			88,956		102
Iron and steel, manufactured.....		1,587		239,550		40
Iron pipe.....		2,603		195,225		40
Pyrites.....		502		5,522		102
Machinery and vehicles.....			3,574		912,220	
Agricultural implements.....		213		106,500		40
Boilers.....		100		42,800		102
Machinery.....		2,911		640,420		69
Vehicles.....		350		122,500		40
Chemicals.....			104,734		1,566,916	
Chemicals and drugs.....		2,084		83,360		54
Fish scrap.....	1,800			108,000		102
Nitrate of soda.....		958		67,060		40
Paints and oils.....		1,450		398,750		70
Phosphate.....		100		3,000		40
Phosphate rock.....	98,342			936,746		102
Unclassified.....			47,841		14,826,320	
General merchandise.....		14,547		7,273,500		102
Miscellaneous.....		33,294		7,552,820		98
Total.....	1,687,933	436,133	2,124,066		144,750,011	
SHIPMENTS, COASTWISE.						
Animals and animal products, ex- cept wool and hair.....			8,941		12,474,216	
Butter.....		9		9,000		40
Cheese.....		3		1,800		40
Eggs.....		519		285,153		40
Fish.....		225		90,000		44
Fish oil.....		102		8,160		40
Hides and skins.....		6,857		10,285,500		100
Leather.....		1,186		1,779,000		42
Live stock.....		39		15,600		40
Oyster shells.....	1			3		102

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
SHIPMENTS, COASTWISE—contd.						
Vegetable food products, oil seeds, expressed oils, and beverages....			42,099		\$8,547,773	Miles.
Canned goods.....		20,981		\$4,196,200		101
Flour.....		1,461		175,392		101
Fruits and produce.....		337		25,375		102
Grain.....		2,777		208,275		102
Groceries and foodstuffs.....		1,953		341,775		96
Mill feed.....		206		12,360		102
Peanuts.....		206		49,440		102
Potatoes.....		33		2,706		102
Sugar, refined.....		14,145		3,536,250		95
Other vegetable products, except fibers and wood.....			2,495		763,028	
Dyewood and extracts thereof.....	436			133,584		102
Licorice root.....		1,084		143,640		102
Logwood.....	7			154		102
Naval stores.....		409		61,350		102
Pitch.....		50		1,100		49
Tobacco.....		529		423,200		102
Textiles.....			10,683		9,637,550	
Bagging.....		2,467		123,350		102
Cotton.....		81		32,400		50
Dry goods.....		2,802		3,082,200		102
Wool.....		5,333		6,399,600		100
Wood and paper.....			13,711		1,430,159	
Baskets, barrels, and crates.....		67		9,375		88
Furniture.....		2,420		568,700		100
Lumber.....	1,958			50,908		75
Mine props.....	3,303			24,773		102
Paper.....		2,715		488,700		102
Pulpwood.....	57			513		102
Roofing material.....		3,191		287,190		87
Nonmetallic minerals.....			1,744,271		21,917,169	
Asphalt.....		323		8,721		102
Cement and lime.....		7,007		119,119		102
Coal.....	1,422,786			10,584,679		102
Glassware.....		826		206,250		102
Lubricating grease.....		50		15,007		102
Petroleum, gasoline, and other oils.....	257,129			10,549,217		84
Petroleum, gasoline, and other oils.....		5,823		345,552		93
Salt.....		17		580		39
Sand and gravel.....	50,311			88,044		102
Ores, metals, and manufactures, except machinery and vehicles.....			107,783		6,935,170	
Hardware.....		7,567		1,513,400		47
Iron and steel.....	87,014			3,654,588		102
Iron and steel billets.....		593		20,162		102
Iron and steel, manufactured.....		10,306		1,545,900		66
Iron pipe.....		1,592		119,400		91
Nails.....		384		53,780		102
Tin plate.....		20		3,400		102
Tinware.....		307		24,560		90
Machinery and vehicles.....			7,340		2,264,648	
Agricultural implements.....		216		108,000		65
Boilers.....		2,626		1,123,928		102
Machinery.....		4,166		916,580		96
Vehicles.....		332		116,200		90
Chemicals.....			11,303		1,713,153	
Chemicals and drugs.....		715		23,600		96
Coal tar.....	2,400			26,400		102
Fertilizer.....		1,066		37,310		90
Paints and oils.....		5,709		1,569,975		96
Phosphate.....		1,413		50,868		40
Unclassified.....			212,496		80,399,314	
Cinders.....	560			504		102
General merchandise.....		116,799		58,399,500		95
Miscellaneous.....		95,137		21,899,310		100
Total.....	1,825,962	335,160	2,161,122		145,962,180	
Total receipts and shipments	2,513,895	771,293	4,285,188		290,732,191	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
LOCAL TRAFFIC ON DELAWARE RIVER AND BAY. ¹						
Animals and animal products, ex- cept wool and hair.			42,352		\$54,661,653	Miles
Butter		1,025		\$1,025,000		30
Cattle		110		48,000		75
Cheese		100		80,000		30
Eggs		3,481		2,214,600		61
Fish		1,708		611,088		35
Greases and wax		18,121		2,713,819		10
Hides and skins.		9,184		16,531,200		30
Hogs		4		1,812		75
Horses		32		9,600		75
Leather		6,224		30,336,000		30
Live stock		1,857		916,960		31
Oysters and clams.		337		21,740		75
Poultry—						
Dressed		23		23,234		75
Live		143		128,250		75
Sheep		3		360		75
Vegetable food products, oil seeds, expressed oils, and beverages.			41,920		9,824,338	
Canned goods		1,462		191,750		39
Flour		9,337		1,123,995		18
Fruits and produce		7,391		3,899,792		44
Grain		3,262		238,650		43
Groceries and foodstuffs.		7,517		1,947,750		34
Hay, salt		943		19,390		12
Hay, feed, and straw		1,227		43,230		34
Molasses		112		26,880		30
Potatoes		870		71,320		75
Sugar—						
Raw		5,000		1,100,000		12
Refined		4,646		1,152,767		30
Tomatoes		46		460		100
Wheat		107		8,354		100
Other vegetable products, except fibers and wood			28,237		1,386,416	
Dyewood and extracts thereof.		2,012		616,416		75
Dyewood and logwood	24,225			500,000		20
Licorice root		2,000		270,000		12
Textiles			205		10,250	
Bags, empty	37			1,850		33
Bagging		168		8,400		30
Wood and paper			77,934		3,482,468	
Baskets, barrels, and crates		4,186		441,750		34
Furniture		344		99,815		52
Lumber	58,649			1,577,280		18
Patterns, wood		8		6,000		8
Printing paper		2,158		606,024		28
Roofing material		7,112		640,080		9
Ties	5,279			110,859		12
Wood	198			660		35
Nonmetallic minerals			7,324,258		65,801,410	
Asphalt		610		10,621		20
Bricks		3,328		53,680		32
Brimstone		3,223		66,000		25
Cement and lime		19,075		345,516		33
Chalk		6,000		9,000		10
Clay	822			6,140		15
Coal	3,776,380			27,874,740		15
Coke	60,988			571,208		26
Lubricating grease		12		2,899		20
Petroleum, gasoline, and other oils		137,881		12,894,242		20
Do	675,896			21,600,196		20
Pyrites and bauxites		4,044		38,850		10
Salt		301		6,020		12
Sand and gravel	2,585,286			2,137,032		21
Stone and slate	48,912			65,216		14
Sulphur		1,498		29,960		15

¹ Local traffic on Delaware River and Bay embraces commerce confined to Philadelphia Harbor or moving between different points along the Delaware River and Delaware Bay, between Philadelphia, Pa., and the sea.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
LOCAL TRAFFIC ON DELAWARE RIVER AND BAY—continued.						
Ores, metals, and manufactures, except machinery and vehicles.			17,983		\$1,949,940	Miles.
Castings, brass.		38		\$38,000		10
Hardware.		1,540		366,800		41
Iron and steel.	4,427			180,553		29
Iron and steel, manufactured.		3,618		723,745		29
Iron pipe.		6,985		566,145		31
Iron, scrap.	245			6,484		35
Iron, pig.	1,075			29,713		35
Propeller blades, manganese bronze.		55		38,500		15
Machinery and vehicles.			4,618		1,873,623	
Agricultural implements.		221		81,625		64
Automobiles.		12		12,000		75
Boilers.		3,769		1,646,748		22
Machinery.		610		131,700		21
Vehicles.		6		1,550		75
Chemicals.			346,975		15,588,720	
Acids and chemicals.		99,015		1,263,071		13
Acid, muriatic.		3,428		154,260		35
Acid, phosphate.		50		70		30
Acid, spent.	28,062			250,715		11
Acid, sulphuric.		19,978		212,965		30
Chemicals, raw materials.	66,970			1,465,973		11
Chemicals and drugs.		12,328		3,238,563		17
Fertilizer.		19,117		507,337		33
Fish scrap.	3,390			220,264		15
Glycerine.		2,734		765,520		15
High explosives.		6,511		2,604,400		15
Manure.	24,783			87,567		24
Paints and oils.		11,990		3,297,250		30
Phosphate.		667		31,845		53
Phosphate rock.	31,702			317,020		14
Soda, nitrate of.		16,270		1,171,900		10
Unclassified.			393,802		184,138,000	
Carboys.		2,497		252,750		34
Cinders.	4,000			3,600		28
Cinders (of no commercial value).	16,264					10
General merchandise.		285,982		164,570,200		20
Ice.		725		7,250		75
Junk.	60			2,400		75
Miscellaneous.		84,274		19,301,800		20
Total.	7,417,632	860,652	8,278,284		338,716,818	

Railroad car ferry and other across-river traffic on the Delaware River, to and from Philadelphia and various other points on the river between Philadelphia and the sea.

Commodities.	Amounts in short tons.	Value.	Commodities.	Amounts in short tons.	Value.
Acid.	481	\$20,000	Blankets and comforts.	10	\$1,500
Acid, anthracene.	94	18,706	Board pulp.	68	5,250
Acid, dry.	7	13,817	Boilers.	20	5,500
Acid, picric.	27	12,316	Boxes.	13	5,000
Acid sulphuric.	132	2,641	Brass.	20	9,875
Agitators.	2	1,752	Burlap scrap.	15	600
Air compressor.	12	4,800	Camphor.	37	58,902
Alcohol.	372	59,000	Camphor, crude.	99	197,000
Asbestos lumber.	11	3,615	Carboys, empty.	109	481,129
Bananas.	7,025	210,000	Carboy guards.	13	118,350
Barium nitrate.	27	6,927	Carboy bag stoppers.	92	5,506
Barrels, empty.	720	275,000	Car gun heading.	27	5,440
Barrels, iron.	7	1,450	Castings.	91	10,929
Belting, rubber.	9	9,288	Cement.	344	8,880
Benzol.	36	2,946	Chemicals.	22	52,463

Railroad car ferry and other across-river traffic on the Delaware River, to and from Philadelphia and various other points on the river between Philadelphia and the sea—Contd.

Commodities.	Amounts in short tons.	Value.	Commodities.	Amounts in short tons.	Value.
Chloride.....	69	\$6,216	Oil, creosote.....	15	\$210
Clay.....	25	1,000	Pipe, wrought iron.....	19	2,855
Concrete mixers.....	27	26,600	Pipe fittings.....	37	12,300
Copper, scrap.....	6	1,524	Pipe, terra cotta.....	20	156,000
Copperas.....	20	600	Pitch.....	511	10,222
Coal.....	751,439	5,291,524	Pontar.....	42	6,555
Coke.....	43,840	347,668	Potash.....	257	37,500
Crasse.....	47	18,800	Powder, black.....	71	35,678
Drums, wooden, empty.....	471	5,756,622	Powder, zinc.....	191	385,152
Dye.....	88	88,174	Presses.....	12	7,200
Dye, coal tar.....	371	370,544	Pyridine.....	54	34,883
Elevators.....	4	2,632	Rails, bar.....	5	565
Enamel ware.....	10	5,000	Rails, old.....	94	1,509
Explosives, high.....	88	32,639	Salt.....	3,272	34,213
Formaldehyde.....	162	87,629	Salt, cake.....	216	7,500
Gasoline.....	8	620	Saltpeter.....	15	5,000
General merchandise.....	2,188,681	1,064,844,250	Scrap, rail.....	22	360
Gauges.....	42	107,200	Screen scrap.....	31	495
Gypsum board.....	6	120	Sheet brine collar.....	10	1,840
Houses, K. D., portable.....	175	40,000	Soda ash.....	1,009	60,000
Ice.....	124	738	Soda, nitrate.....	2,042	163,000
Indigo.....	711	1,066,171	Soda, sal.....	566	11,325
Indigo lyn paste.....	6	9,317	Sodium salt.....	15	21,000
Iron.....	37	3,655	Stone, c.....	307	700
Iron, bar.....	6	637	Sugar.....	32	6,424
Iron, corrugated.....	5	927	Tanks.....	31	8,083
Iron, pulverized.....	531	1,050	Tar.....	223	4,469
Iron, rolls.....	15	1,500	Ties.....	30	5,000
Iron, scrap.....	3,104	4,943	Toluol.....	29	2,365
Iron, sheet.....	35	6,363	Trench digger.....	12	6,000
Lead, pig.....	95	13,353	Tubes, boiler.....	6	1,100
Leather.....	10	36,955	Turpentine.....	548	200,000
Lime.....	60	900	Wire concrete.....	18	1,700
Linters.....	174	4,500	Wood pulp.....	32	1,280
Locomotives.....	8	13,000	Wood scrap.....	6	25
Lumber.....	555	27,000	Zinc dust.....	950	189,938
Machinery.....	585	350,982	Zinc, oxide.....	36	5,817
Miscellaneous.....	9,346	2,106,754	Total.....	3,021,982	1,063,729,652
Motors, electric.....	18	15,000			

Cargoes in transit.

Commodities.	Amounts in short tons.	Value.	Commodities.	Amounts in short tons.	Value.
Acid.....	1,740	\$28,633	Iron pipe.....	312	\$23,400
Asphalt.....	1,118	34,604	Lumber.....	21,654	562,385
Barrels, empty.....	239	17,717	Mine props.....	1,416	10,620
Brimstone.....	20	602	Miscellaneous.....	1,424	327,520
Caustic soda and soda ash.....	1,440	102,155	Paint.....	303	12,923
Cement and lime.....	1,859	25,804	Petroleum, gasoline.....	752,273	33,009,010
Chemicals.....	500	10,000	naphtha, and other oils.....	1,540	55,440
Coal.....	616,107	3,918,104	Phosphate.....	2,100	18,900
Coal tar.....	56,636	634,406	Pulpwood.....	860	4,300
Coal-tar products.....	3,987	72,630	Rock salt.....	18,760	1,673,640
Cordage.....	33	14,382	Roofing material.....	75,160	72,350
Feldspar.....	780	45,600	Sand and gravel.....	19	880
Fertilizer.....	11,666	408,310	Soda, sulphite of.....	5,580	100,440
Fish scrap.....	1,268	61,286	Sulphur.....	3,144	9,432
Flux oil.....	31,596	379,152	Tankage.....	2,371	47,420
Fuller's earth.....	235	6,463	Ties.....		
General merchandise.....	370	3,700	Total.....	1,623,797	42,014,703
Greases and wax.....	636	138,333			
Iron and steel, manufac- factured.....	6,671	184,162			

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.			
	Imports.		Exports.		Coastwise.		Local traffic on Delaware River and Bay.					
					Receipts.		Shipments.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.	72,750	\$25,961,227	56,124	\$28,422,668	23,520	\$17,069,710	8,941	\$12,474,216	42,352	\$54,661,653	203,687	\$136,570,474
Vegetable food products, oil seeds, expressed oils, and beverages.	883,101	168,685,845	1,023,666	117,170,701	248,732	29,652,126	42,099	8,547,773	41,920	9,824,238	2,209,548	333,860,763
Other vegetable products, except fibers and wood.	46,161	9,735,663	22,266	15,789,837	22,289	1,945,260	2,466	763,028	28,227	1,386,416	121,478	29,620,204
Textiles.	43,601	21,506,579	4,110	2,632,157	28,964	31,042,950	10,663	9,637,650	26,206	10,280	67,653	64,946,496
Wood and paper.	96,912	9,813,186	31,491	2,604,960	163,263	4,362,473	13,711	1,430,169	77,924	3,489,468	413,321	21,713,215
Nonmetallic minerals.	1,585,969	6,864,221	4,368,147	117,277,213	1,436,676	42,344,905	1,744,271	21,917,169	7,394,268	66,801,410	16,458,311	264,194,918
Ores, metals, and manufactures, except machinery and vehicles.	607,255	8,708,551	332,094	26,455,701	15,463	967,131	107,768	6,935,170	17,983	1,949,940	1,080,578	45,036,493
Machinery and vehicles.	131,068	8,326,401	41,388	40,933,222	3,574	912,220	7,340	2,264,645	4,618	1,873,623	15,532	5,060,491
Chemicals.	371,951	22,667,159	1,666,663	101,766,787	104,734	1,696,916	11,303	1,713,153	346,975	15,688,720	636,488	66,157,412
Unclassified.					47,841	14,836,320	212,466	80,290,314	383,802	184,138,000	2,721,752	403,597,580
Total.	3,806,768	262,157,831	7,575,008	451,043,216	2,124,066	144,760,011	2,161,122	145,982,180	8,273,284	338,716,818	23,947,248	1,362,660,066
											Short tons.	Value.
Car ferry and other across-river traffic.											3,021,982	\$1,083,729,652
Cargo in transit.											1,625,797	42,014,707

	Short tons.	Value.
Car ferry and other across-river traffic.	3,021,982	\$1,083,729,452
Cargo in transit.	1,662,797	42,014,708

Statement of passenger and vehicular ferry traffic to and from various points on the Delaware River between Philadelphia, Pa., and Camden, N. J.

Number of passengers..... 47,722,264
 Number of vehicles..... 2,437,675

Vessel classification, 1920.

	Arrived.		Departed.		Passengers.	
	Number.	Net tons.	Number.	Net tons.	Arrived.	Departed.
FOREIGN TRADE.						
American:						
Steam vessels.....	656	1,963,611	709	2,338,714		
Sailing vessels.....	67	53,365	48	34,449		
Foreign:						
Steam vessels.....	993	2,589,911	992	2,648,906	9,025	6,894
Sailing vessels.....	31	28,929	32	32,118		
COASTWISE TRADE.						
American:						
Steam vessels.....	1,260	2,753,326	1,293	2,710,000	13,797	17,389
Sailing vessels.....	39	24,057	47	33,598		
Barges.....	1,079	813,348	1,099	845,656		
DELAWARE RIVER AND BAY.						
American:						
Steam vessels.....	11,776	3,758,128	11,783	3,770,556	724,492	851,549
Sailing vessels.....	14,323	1,890,548	14,309	1,888,719		
Barges and canal boats.....	25,880	2,504,336	25,846	2,491,300		
Power boats.....	190	9,465	186	9,280		

Vessels completed and under construction at principal shipyards along the Delaware River during the calendar year 1920.

	Completed during year.	Under construction.	Gross tons.	Approximate valuation.
Battleships.....		2	165,200	\$33,000,000
Battle cruisers.....		3	1130,500	99,000,000
Cruisers.....		5	137,500	35,000,000
Torpedo-boat destroyers.....	29	6	147,910	60,000,000
Mine planters.....	1		1,009	540,000
Transports.....	8	3	183,116	25,300,000
Hospital ships.....		1	110,000	4,355,000
Destroyer tender.....		1	110,600	4,500,000
Passenger and cargo steamers.....	93	24	776,099	231,536,940
Tugboats.....	4		636	473,081
Yachts.....	9		628	300,000
Power boats.....	34	36	22,750	231,000
Oil tankers.....	16	27	311,934	91,355,000
Barges.....	1		660	93,761
Ferryboats.....	3		4,187	2,130,500
Total.....	198	108	1,502,729	587,815,282

¹ Displacement in tons.

DELAWARE RIVER AT CAMDEN, N. J.

Included in report for Delaware River, Philadelphia, Pa., to the sea.

SCHUYLKILL RIVER, PA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917.....	4,827,092	\$161,097,795	1919.....	4,782,443	\$173,571,219
1918.....	3,963,811	120,121,456	1920.....	5,073,239	179,433,066

[Navigation season, river open for navigation throughout the year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		2,912		\$154,590
Bones.....	2,782		\$124,280	
Tallow.....	150		30,300	
Textiles: Rags.....	3,808	3,808	190,400	190,400
Wood and paper: Wood pulp.....	4,252	4,252	552,780	552,780
Nonmetallic minerals.....		1,009,253		15,922,338
Clay.....	5,815		46,520	
Emery ore.....	1,292		37,468	
Petroleum, naphtha, and other oils.....	973,085		15,663,045	
Pyrites.....	29,061		145,305	
Ores, metals, and manufactures, except machinery and vehicles: Manganese ore.....	41,618	41,618	291,326	291,326
Unclassified: General merchandise and miscellaneous.....	17,794	17,794	715,019	715,019
Total.....		1,079,637		17,826,433
EXPORTS.				
Animals and animal products, except wool and hair.....		378		141,820
Beef and pork.....	226		\$106,220	
Skins.....	152		35,600	
Vegetable food products, oil seeds, expressed oils, and beverages.....		348,190		42,348,323
Dried fruit.....	70		22,400	
Grain.....	344,508		31,694,736	
Malt.....	401		34,887	
Whisky.....	3,211		10,596,300	
Other vegetable products, except fibers and wood: Tobacco.....	5,964	5,964	5,665,800	5,665,800
Textiles: Cotton.....	18	18	14,760	14,760
Wood and paper.....		3,161		296,259
Lumber.....	2,640		182,160	
Paper.....	521		114,099	
Nonmetallic minerals.....		529,317		30,021,154
Asphalt.....	23		1,173	
Cement.....	5,385		96,930	
Fire brick.....	282		18,330	
Petroleum, naphtha, and other oils.....	523,627		29,904,721	
Ores, metals, and manufactures, except machinery and vehicles.....		51,274		4,422,715
Bolts and nuts.....	98		14,700	
Iron and steel.....	32,724		2,306,464	
Pipe, iron.....	10,549		1,360,272	
Scrap steel.....	3,078		98,496	
Tin plate.....	1,831		320,425	
Wire.....	2,994		320,358	
Chemicals.....		153		28,438
Fertilizer.....	77		6,468	
Paint.....	54		13,500	
Varnish.....	22		8,470	
Unclassified.....		15,159		1,363,126
Candles.....	19		5,700	
General merchandise and miscellaneous.....	15,140		1,357,426	
Total.....		953,614		84,302,395
Total imports and exports.....		2,033,251		102,128,828

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, COASTWISE.						
Animals and animal products, ex- cept wool and hair: Greases and wax.....		636	636	\$138,333	\$138,333	Miles. 6
Wood and paper.....			5,912		500,395	6
Barrels, empty.....	50			5,432		6
Lumber.....	500			12,383		6
Roofing material.....		5,362		482,590		6
Nonmetallic minerals.....			630,955		28,085,256	6
Asphalt.....		1,118		34,604		6
Coal.....	6,665			54,685		5
Petroleum, naphtha, and other oils.....	618,488			27,911,655		6
Sulphur.....		4,684		84,312		6
Chemicals: Coal tar.....	16,221		16,221	152,276	152,276	6
Unclassified: Miscellaneous.....		36	36	8,280	8,280	6
Total.....	641,924	11,836	653,760		28,884,540	
SHIPMENTS, COASTWISE.						
Textiles: Cordage.....		33	33	14,382	14,382	6
Wood and paper: Barrels, empty.....	189		189	12,285	12,285	6
Nonmetallic minerals.....			3,438		93,816	6
Cement and lime.....		626		11,268		6
Coal.....	49			637		6
Fuller's earth.....		235		6,463		6
Petroleum, naphtha, and other oils.....		2,528		75,448		6
Ores, metals, and manufactures, except machinery and vehicles:						
Iron and steel, manufactured.....		5,771	5,771	4,162	4,162	6
Chemicals.....			3,854		186,645	6
Fertilizer.....		2,414		84,490		5
Caustic soda and soda ash.....		1,440		102,155		6
Unclassified.....			4,582		328,672	6
Miscellaneous.....		1,388		319,240		6
Tankage.....	3,144			9,432		6
Total.....	3,382	14,435	17,817		639,962	
Total receipts and shipments	645,306	26,271	671,577		29,524,502	
INBOUND, LOCAL. ¹						
Wood and paper.....			1,674		98,962	
Lumber.....	912			22,762		6
Roofing material.....		762		76,200		6
Nonmetallic minerals.....			1,519,129		17,413,755	
Cement and lime.....		1,233		14,536		7
Coal.....	934,955			5,887,455		5
Coke.....	7,194			51,785		2
Flux oil.....		31,596		379,152		6
Pebbles.....	304			912		6
Petroleum, naphtha, and other oils.....	322,540			10,859,453		6
Sand and gravel.....	180,867			148,510		7
Stone and grit.....	39,208			47,312		8
Sulphur.....		1,232		24,640		6
Ores, metals, and manufactures, except machinery and vehicles:						
Iron and steel, manufactured.....		900	900	180,000	180,000	6
Chemicals.....			38,191		497,797	
Acid.....		14,850		200,467		6
Coal tar.....		20,920		248,190		6
Coal-tar products.....		2,421		49,140		6
Unclassified.....			184,049		3,700	
Cinders (of no commercial value).....	114,679					5
Garbage (of no commercial value).....	69,000					9
General merchandise.....		370		3,700		6
Total.....	1,669,659	74,284	1,743,943		18,194,214	

¹ Inbound and outbound local commerce in above tables represent local traffic on the Schuylkill River, the bulk of which moves in from and out to points on the Delaware River.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
OUTBOUND, LOCAL. ¹						
Animals and animal products, ex- cept wool and hair: Greases and wax.....		13, 121	13, 121	\$2, 413, 819	\$2, 413, 819	Miles. 6
Wood and paper.....			8, 268		668, 680	6
Lumber.....	766			22, 730		6
Roofing material.....		7, 512		646, 080		6
Nonmetallic minerals.....			530, 632		24, 061, 740	6
Asphalt.....		154		3, 781		6
Coal.....	149, 086			4, 229, 129		6
Coke.....	4, 058			40, 580		6
Petroleum, gasoline, and other oils.....	285, 755			6, 660, 633		6
Do.....		141, 579		13, 117, 617		6
Chemicals.....			58, 000		789, 124	6
Acid.....		46		598		6
Acid, spent.....	28, 062			260, 715		6
Chemicals.....		500		10, 000		6
Coal tar.....		19, 495		223, 940		6
Coal-tar products.....		1, 546		23, 490		6
Fertilizer.....		5, 931		251, 031		6
Manure.....	2, 100			7, 350		6
Paints.....		300		12, 000		6
Unclassified.....			14, 447		1, 651, 979	6
Carpenter and joiners' work.....	9, 500			960, 000		5
Cinders.....	1, 000			900		6
Miscellaneous.....		3, 947		701, 079		6
Total.....	430, 317	194, 151	624, 468		29, 535, 523	
Total inbound and out- bound.....	2, 099, 976	268, 435	2, 368, 411		47, 779, 736	

¹ Inbound and outbound local commerce in above tables represent local traffic on the Schuylkill River, the bulk of which moves in from and out to points on the Delaware River.

ICE HARBOR AT MARCUS HOOK, PA.

Comparative statement of traffic.

Year.	Tons.	Value.
1919.....	6,848	\$2,730,200
1920.....	7,760	2,323,070

[Navigation season, open to navigation throughout the year.]

Freight traffic, 1920.

Articles.	Short tons.	Value.	Articles.	Short tons.	Value.
RECEIPTS.			SHIPMENTS.		
Acids and chemicals.....	45	\$1,350	Acids and chemicals.....	175	\$5,250
Agricultural implements.....	5	2,750	Baskets, barrels, and crates...	50	5,000
Baskets, barrels, and crates...	500	50,000	General merchandise.....	500	275,000
Flour.....	75	9,000	Miscellaneous.....	294	67,630
Furniture.....	15	3,525	Paints and oils.....	1,700	467,500
General merchandise.....	2,152	1,183,600			
Groceries and foodstuffs.....	250	62,500	Total.....	2,719	820,370
Hardware.....	24	6,000			
Iron and steel.....	600	27,000	Total receipts and ship-		
Iron and steel, manufactured...	150	30,000	ments.....	7,760	2,323,070
Iron pipe.....	1,000	80,000			
Lumber.....	25	625			
Machinery.....	50	10,750			
Miscellaneous.....	120	27,600			
Paints and oils.....	20	5,500			
Sugar, refined.....	10	2,500			
Total.....	5,041	1,502,700			

Commercial movements at Marcus Hook represent commodities handled over the Government pier by a regular steamship line plying on the Delaware River between Philadelphia and Wilmington.

CONSTRUCTING ICE PIER IN DELAWARE BAY NEAR LEWES, DEL.

No statistics for 1920.

HARBOR OF REFUGE, DELAWARE BAY, DEL.*Arrivals at the Delaware Breakwater during calendar year 1920.*

	Steamers.	Sailing vessels.	Barges.	Total.
For orders.....	63	14	3	80
For harbor.....	88	65	300	453
In distress.....	3		4	7
Total.....	154	79	307	540

WILMINGTON, DEL., DISTRICT.

COOPER RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891.....	174, 870	\$1, 745, 133. 00	1910.....	260, 934	\$2, 131, 690. 95
1896.....	201, 596	2, 916, 009. 00	1911.....	267, 244	3, 221, 211. 62
1897.....	212, 437	2, 468, 145. 00	1912.....	359, 449	4, 224, 893. 23
1898.....	220, 615	2, 744, 717. 00	1913.....	289, 061	3, 699, 277. 26
1899.....	225, 783	2, 642, 155. 00	1914.....	291, 305	3, 396, 414. 51
1900.....	230, 138	2, 733, 523. 00	1915.....	237, 099	3, 415, 845. 00
1902.....	726, 888	3, 707, 048. 00	1916.....	356, 736	5, 207, 389. 00
1903.....	414, 538	3, 820, 974. 00	1917.....	344, 200	6, 271, 144. 64
1906.....	246, 539	2, 165, 412. 00	1918.....	324, 478	7, 294, 548. 69
1907.....	346, 611	1, 632, 210. 00	1919.....	136, 088	2, 390, 956. 00
1908.....	221, 206	1, 807, 633. 00	1920.....	388, 188	2, 966, 212. 00
1909.....	244, 222	2, 073, 188. 65			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Other vegetable products, except fibers and wood: Dyewood.....	11, 112		11, 112	\$468, 641	\$468, 641
Nonmetallic minerals.....			376, 789		2, 471, 679
Bricks.....		5, 765		46, 120	
Coal.....	68, 735			582, 489	
Gasoline and oils.....	18, 806			1, 324, 683	
Oil (fuel).....	5, 988			192, 515	
Sand and gravel.....	275, 645			276, 192	
Sulphur.....	1, 760			49, 630	
Chemicals.....			287		25, 892
King crab meal.....	260			23, 400	
Chemicals.....	27			2, 492	
Total.....	382, 423	5, 765	388, 188		2, 966, 212

SUMMARY.

Classes of commodities.	Receipts.	
	Tons.	Value.
Other vegetable products, except fibers and wood.....	11, 112	\$468, 641
Nonmetallic minerals.....	376, 789	2, 471, 679
Chemicals.....	287	25, 892
Total.....	388, 188	2, 966, 212

Vessel classification, 1920.

Classes.	Arriving.	Departing.
Steam.....	1, 320	1, 320
Sailing.....	3	3
Barges and lighters.....	1, 323	1, 323
Total.....	2, 646	2, 646

WOODBURY CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914.....	11,270	\$38,390	1919.....	7,283	\$53,092
1916.....	7,806	45,365	1920.....	15,924	62,146
1918.....	8,110	21,870			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight Traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair: Oysters.....	64	.....	64	\$3,424	\$3,424
Vegetable food products: Corn.....	87	.....	87	4,872	4,872
Wood and paper: Lumber, sawed.....	80	.....	80	1,200	1,200
Nonmetallic minerals.....			15,583		30,150
Coal.....	2,563	.....		26,620	
Sand and dirt ballast.....	12,920	.....		3,220	
Stone.....	100	.....		300	
Machinery and vehicles: Machinery.....		110	110	22,500	22,500
Total.....	15,814	110	15,924	62,146	62,146

SUMMARY.

Classes of commodities.	Receipts.	
	Tons.	Value.
Animal and animal products except wool and hair.....	64	\$3,424
Vegetable food products.....	87	4,872
Wood and paper.....	80	1,200
Nonmetallic minerals.....	15,583	30,150
Machinery and vehicles.....	110	22,500
Total.....	15,924	62,146

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Gas tugs.....	3	120
Barges.....	2	300
Schooners.....	1	50
Total.....	6	470

MANTUA CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1898.....	147,584	\$2,490,780	1911.....	170,444	\$2,149,470
1899.....	165,650	2,553,850	1912.....	202,599	2,246,327
1900.....	188,957	3,296,470	1913.....	187,780	2,912,630
1901.....	202,703	3,466,830	1914.....	113,518	1,541,970
1902.....	200,000	3,000,000	1915.....	145,352	1,731,320
1903.....	136,105	1,638,790	1917.....	60,902	1,270,465
1906.....	240,220	984,700	1918.....	133,743	1,401,328
1908.....	35,250	\$214,225	1919.....	184,967	793,463
1909.....	125,605	1,025,525	1920.....	91,596	1,621,464

¹ About.² Partial.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair: Oyster shells.....	540	.....	540	\$2, 170	\$2, 170
Vegetable food products: Corn.....	634	.....	634	35, 504	35, 504
Wood and paper.....	.....	.....	934	.....	40, 135
Baskets.....	.....	104	.....	6, 935	.....
Lumber.....	830	.....	.....	33, 200	.....
Nonmetallic minerals.....	.....	.....	10, 357	.....	61, 975
Coal.....	1, 408	.....	.....	25, 020	.....
Cinders.....	3, 000	.....	.....	2, 100	.....
Sand.....	4, 450	.....	.....	4, 885	.....
Sulphur.....	1, 498	.....	.....	29, 960	.....
Ores, metals, and manufactures, except machinery and vehicles: Minerals and ores.....	17, 379	.....	17, 379	520, 712	520, 712
Chemicals.....	.....	.....	23, 184	.....	217, 569
Fish scrap.....	1, 565	.....	.....	110, 763	.....
Manure.....	1, 000	.....	.....	4, 000	.....
Phosphate rock.....	20, 619	.....	.....	102, 806	.....
Unclassified: Miscellaneous.....	4, 312	.....	4, 312	258, 720	258, 720
Total.....	57, 236	104	57, 340	.....	1, 136, 785
SHIPMENTS, INTERNAL.					
Vegetable food products.....	.....	.....	1, 387	.....	35, 018
Produce (farm).....	.....	105	.....	18, 375	.....
Tomatoes.....	.....	1, 282	.....	16, 643	.....
Nonmetallic minerals.....	.....	.....	14, 400	.....	17, 200
Pyrites.....	400	.....	.....	3, 200	.....
Sand.....	14, 000	.....	.....	14, 000	.....
Chemicals.....	.....	.....	15, 064	.....	228, 161
Acids.....	.....	800	.....	16, 000	.....
Chemicals and acids.....	11, 002	.....	.....	148, 529	.....
Fertilizer.....	3, 262	.....	.....	63, 632	.....
Unclassified: Miscellaneous.....	3, 405	.....	3, 405	204, 300	204, 300
Total.....	32, 069	2, 187	34, 256	484, 679	484, 679
Total receipts and shipments.....	89, 305	2, 291	91, 596	.....	1, 621, 464

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	540	\$2, 170			540	\$2, 170
Vegetable food products.....	634	35, 504	1, 387	\$35, 018	2, 021	70, 522
Wood and paper.....	934	40, 135			934	40, 135
Nonmetallic minerals.....	10, 357	61, 975	14, 400	17, 200	24, 757	79, 175
Ores, metals, and manufactures, except machinery and vehicles.....	17, 379	520, 712			17, 379	520, 712
Chemicals.....	23, 184	217, 569	15, 064	228, 161	38, 248	445, 730
Unclassified.....	4, 312	258, 720	3, 405	204, 300	7, 717	463, 020
Total.....	57, 340	1, 170, 377	34, 256	484, 679	91, 596	1, 621, 464

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.	Classes.	Number.	Aggregate tonnage.
Power boats.....	3	120	Steamers.....	9	540
Steam tugs.....	18	1, 357	Lighters.....	29	
Barges.....	27	9, 920	Total.....	87	11, 977
Schooners.....	1	40			

¹ Incomplete.

RACCOON CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1898.....	172, 840	\$1, 274, 950	1912.....	92, 688	\$1, 163, 700
1902.....	264, 100	2, 932, 900	1913.....	89, 075	1, 158, 170
1903.....	244, 803	2, 651, 020	1914.....	23, 543	330, 907
1904.....	252, 389	3, 300, 000	1915.....	89, 638	844, 290
1905.....	263, 317	2, 148, 600	1916.....	(1)	(1)
1906.....	188, 864	1, 995, 880	1917.....	37, 065	307, 179
1907.....	78, 478	744, 750	1918.....	41, 361	842, 908
1908.....	92, 268	879, 150	1919.....	40, 700	802, 972
1909.....	58, 107	719, 750	1920.....	19, 880	341, 242

¹ No statistics available.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair: Oysters.....	200	.....	200	\$10,000	\$10,000
Vegetable food products.....			500		7,600
Hay (salt).....	300	.....		4,500	
Tomatoes.....		200		3,100	
Wood and paper: Baskets.....		393	393	39,330	39,330
Nonmetallic minerals.....			5,000		49,250
Coal.....	4,000	.....		48,000	
Cinders.....	1,000	.....		1,250	
Chemicals.....			7,067		47,980
Manure.....	6,500	.....		19,500	
Fertilizer.....		687		28,480	
Total.....	12,000	1,180	13,180	.....	154,160
SHIPMENTS, INTERNAL.					
Animals and animal products, except hair and wool: Fish.....		11	11	1,975	1,975
Vegetable food products.....			6,689		185,107
Asparagus.....		20		8,780	
Melons.....		167		3,487	
Produce (farm).....		2,323		130,863	
Strawberries.....		3		288	
Tomatoes.....		4,176		45,689	
Total.....		6,700	6,700	.....	187,082
Total receipts and shipments.....	12,000	7,880	19,880	.....	341,242

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....	200	\$10,000	11	\$1,975	211	\$11,975
Vegetable food products.....	500	7,600	6,689	185,107	7,189	192,707
Wood and paper.....	393	39,330			393	39,330
Nonmetallic minerals.....	5,000	49,250			5,000	49,250
Chemicals.....	7,067	47,980			7,067	47,980
Total.....	13,180	154,160	6,700	187,082	19,880	341,242

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Gas boats.....	21	840
Lighters.....	2	70
Tugs.....	3	160
Total.....	21	870

OLDMANS CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1913.....	88,412	\$812,900	1918.....	19,025	\$269,051
1914.....	25,659	250,167	1919.....	15,327	104,965
1915.....	60,438	423,875	1920.....	10,648	79,967
1917.....	11,961	180,000			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Vegetable food products			207		\$12,324
Corn.....	125			36,913	
Wheat.....	82			5,411	
Wood and paper: Baskets.....		231	231	9,170	9,170
Nonmetallic minerals.....			1,435		2,963
Coal.....	150			1,443	
Cinders.....	1,285			1,540	
Chemicals: Manure.....	6,200		6,200	18,700	18,700
Total.....	7,842	231	8,073		43,177
SHIPMENTS, INTERNAL.					
Animals and animal products except wool and hair: Fish.....		4	4	700	700
Vegetable food products: Tomatoes.....		2,571	2,571	36,090	36,090
Total.....		2,575	2,575		36,790
Total receipts and shipments.....	7,842	2,806	10,648		79,967

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....			4	\$700	4	\$700
Vegetable products.....	207	\$12,324	2,571	36,090	2,778	48,414
Wood and paper.....	231	9,170			231	9,170
Nonmetallic minerals.....	1,435	2,963			1,435	2,963
Chemicals.....	6,200	18,700			6,200	18,700
Total.....	8,073	43,177	2,575	36,790	10,648	79,967

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Steamer.....	1	99
Gas boats.....	8	330
Lighters.....	5	1,100
Total.....	14	1,510

SALEM RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1908.....	121,658	\$3,063,061	1915.....	73,980	\$1,829,608
1909.....	149,204	6,013,760	1916.....	80,690	2,951,154
1910.....	171,184	6,915,806	1917.....	83,275	3,020,910
1911.....	144,545	10,973,960	1918.....	25,422	1,158,499
1912.....	173,864	7,014,164	1919.....	5,187	639,619
1913.....	163,522	4,834,290	1920.....	5,220	404,588
1914.....	25,537	728,102			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Vegetable food products: Hay (salt).....	620	.....	620	\$3,680	\$3,680
Nonmetallic minerals: Oils (fuel).....	505	.....	505	9,256	9,256
Machinery and vehicles: Machinery.....	.....	1	1	1,000	1,000
Chemicals: Phosphate.....	.....	210	210	8,670	8,670
Unclassified: Miscellaneous.....	.....	120	120	7,000	7,000
Total.....	1,125	331	1,456	.....	34,606
SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair: Fish.....	.....	267	267	76,550	76,550
Vegetable food products: Tomatoes.....	.....	579	579	73,500	73,500
Nonmetallic minerals.....	.....	.....	2,918	.....	219,932
Bottles.....	.....	2,125	.....	160,457	.....
Glass.....	.....	793	.....	59,475	.....
Total.....	.....	3,764	3,764	.....	369,982
Total receipts and shipments.....	1,125	4,095	5,220	.....	404,588

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....	.....	.....	267	\$76,550	267	\$76,550
Vegetable food products.....	620	\$3,680	579	73,500	1,199	82,180
Nonmetallic minerals.....	505	9,256	2,918	219,932	3,423	229,188
Machinery and vehicles.....	1	1,000	.....	.....	1	1,000
Chemicals.....	210	8,670	.....	.....	210	8,670
Unclassified.....	120	7,000	.....	.....	120	7,000
Total.....	1,456	34,606	3,764	369,982	5,220	404,588

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Gas boats.....	3	65
Schooners.....	3	85
Barges.....	2	700
Total.....	8	850

ALLOWAY CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893.....	35,020	\$1,039,800	1908.....	18,490	\$658,125
1894.....	40,350	1,061,600	1909.....	17,566	611,500
1895.....	43,000	960,280	1910.....	26,825	385,000
1896.....	42,075	935,850	1911.....	17,149	482,960
1897.....	41,575	892,800	1912.....	17,062	464,100
1898.....	49,075	766,500	1913.....	34,242	1,105,483
1899.....	58,025	1,007,400	1914.....	8,314	140,181
1900.....	60,725	1,095,400	1915.....	19,343	939,015
1901.....	63,625	1,357,500	1916.....	22,925	1,078,324
1902.....	54,081	1,153,875	1917.....	2,634	209,829
1904.....	60,350	1,098,200	1918.....	11,099	909,836
1905.....	60,150	1,206,500	1919.....	11,253	757,414
1906.....	57,903	1,162,750	1920.....	8,643	521,083
1907.....	66,515	1,040,000			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair.....			180		\$31,500
Fish.....		150		\$30,000	
Oysters.....		30		1,500	
Vegetable food products: Grain and feed.....		1,500	1,500	105,000	105,000
Wood and paper: Baskets.....		30	30	3,000	3,000
Nonmetallic minerals.....			1,200		17,100
Coal.....	1,050			14,700	
Lime.....	150			2,400	
Ores, metals, and manufactures, except ma- chinery and vehicles: Tin cans.....		390	390	51,150	51,150
Machinery and vehicles: Machinery.....		100	100	10,000	10,000
Chemicals.....			1,493		87,978
Fertilizer.....		1,200		72,000	
Phosphate.....		293		15,978	
Unclassified.....			775		45,300
Ice.....		25		200	
Miscellaneous merchandise.....		750		45,000	
Total.....	1,200	4,468	5,668		360,928
SHIPMENTS, INTERNAL.					
Vegetable food products.....			2,800		157,500
Canned goods.....		1,000		63,000	
Fruits and berries.....		600		54,000	
Hay (salt).....	700			10,500	
Potatoes.....		500		30,000	
Nonmetallic minerals: Gasoline and oils.....	150		150	11,250	11,250
Chemicals: Phosphate.....		25	25	1,405	1,405
Total.....	850	2,125	2,975		170,155
Total receipts and shipments.....	2,050	6,593	8,643		521,083

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	180	\$31,500	.....	.....	180	\$31,500
Vegetable food products.....	1,500	105,000	2,800	\$157,500	4,300	262,500
Wood and paper.....	30	3,000	.....	.....	30	3,000
Nonmetallic minerals.....	1,200	17,100	150	11,250	1,350	28,350
Ores, metals, and manufactures, except machinery and vehicles.....	300	51,150	.....	.....	300	51,150
Machinery and vehicles.....	100	10,000	.....	.....	100	10,000
Chemicals.....	1,483	87,978	25	1,406	1,518	89,383
Unclassified.....	775	45,200	.....	.....	775	45,200
Total.....	5,468	350,928	2,975	120,655	8,443	521,083

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Barges.....	2	450
Gas boats.....	7	169
Total.....	9	619

COHANSEY RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1908.....	51,817	\$371,600	1915.....	63,802	\$398,472
1910.....	107,300	501,440	1917.....	13,287	620,236
1912.....	186,980	3,758,924	1918.....	66,751	1,760,730
1913.....	50,136	605,190	1919.....	31,349	1,004,514
1914.....	33,426	427,425	1920.....	32,546	1,180,191

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair.....			11,668		\$462,125
Fish.....	125			\$12,500	
Oysters and clams.....	11,543			449,625	
Vegetable food products.....			1,448		25,124
Hay (salt).....	1,000			15,000	
Tomatoes.....		448		10,124	
Wood and paper.....			4,962		350,834
Baskets.....		450		30,354	
Lumber.....	2,762			110,480	
Ship timber.....	1,750			210,000	
Nonmetallic minerals: Coal.....	6,793		6,793	41,550	41,550
Chemicals: Fertiliser.....		1,500	1,500	66,420	66,420
Total.....	23,973	2,398	26,371		946,063
SHIPMENTS, INTERNAL.					
Vegetable food products: Tomatoes.....		5,069	5,069	87,631	87,631
Wood and paper: Baskets.....		40	40	2,688	2,688
Nonmetallic minerals: Gasoline.....	225		225	16,800	16,800
Ores, metals, and manufactures, except machinery and vehicles: Tin cans.....		51	51	7,019	7,019
Unclassified: Miscellaneous.....		800	800	70,000	70,000
Total.....	225	5,950	6,175		184,138
Total receipts and shipments.....	24,198	8,348	32,546		1,130,191

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products, except wool and hair.....	11,668	\$462,125			11,668	\$462,125
Vegetable food products.....	1,448	25,124	5,069	\$87,631	6,507	112,755
Wood and paper.....	4,962	350,834	40	2,688	5,002	353,502
Nonmetallic minerals.....	6,793	41,550	225	16,800	7,018	58,350
Ores, metals, and manufactures, except machinery and vehicles.....			51	7,019	51	7,019
Chemicals.....	1,500	66,420			1,500	66,420
Unclassified.....			800	70,000	800	70,000
Total.....	26,371	946,063	6,175	184,138	32,546	1,130,191

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Tugs.....	2	300
Steamer.....	1	120
Gas boats.....	3	210
Barges.....	4	1,120
Schooners.....	20	600
Total.....	30	2,350

MAURICE RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912.....	391,346	\$2,235,344	1917.....	293,770	\$2,730,611
1913.....	526,448	2,356,676	1918.....	201,228	2,798,942
1914.....	193,507	1,921,029	1919.....	154,521	2,413,401
1915.....	195,180	1,519,598	1920.....	224,538	3,227,461
1916.....	286,097	2,167,089			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair.....			62,059		\$2,658,500
Fish.....	849			\$86,000	
Oysters and clams.....	61,210			2,571,900	
Vegetable food products.....			988		18,543
Corn.....	56			2,800	
Hay.....	899			13,443	
Wheat.....	33			2,300	
Wood and paper.....			36		1,458
Baskets.....		16		1,098	
Piling.....		20		360	
Nonmetallic minerals: Coal.....	4,676		4,676	47,965	47,965
Total.....	67,723	36	67,759		2,726,456
SHIPMENTS, INTERNAL.					
Vegetable food products: Tomatoes.....		183	183	1,806	1,806
Nonmetallic minerals.....			155,096		349,199
Gasoline.....	1,068			79,850	
Sand.....	154,028			269,349	
Unclassified: Miscellaneous.....		1,500	1,500	150,000	150,000
Total.....	155,096	1,683	156,779		501,005
Total receipts and shipments.....	222,819	1,719	224,538		3,227,461

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....	62,059	\$2,658,500			62,059	\$2,658,500
Vegetable food products.....	988	18,543	183	\$1,806	1,171	20,349
Wood and paper.....	36	1,458			36	1,458
Nonmetallic minerals.....	4,676	47,955	155,096	349,199	159,772	397,154
Unclassified.....			1,500	150,000	1,500	150,000
Total.....	67,759	2,726,456	156,779	501,005	224,538	3,227,461

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Tugs.....	8	760
Steamers.....	2	840
Schooners, oyster.....	320	9,100
Barges.....	30	7,000
Total.....	360	17,700

COLD SPRING INLET, N. J.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1913.....	5,516	\$82,276	1918.....	(¹)	(¹)
1914.....	6,193	103,948	1919.....	(¹)	(¹)
1916.....	14,956	1,815,451	1920.....	(¹)	(¹)
1917.....	2,364	316,295			

¹ Impracticable to obtain statistics.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

It was impracticable to obtain commercial statistics, as the inlet and harbor have been almost exclusively used by the Navy Department as a naval base since 1917.

ABSECON INLET, N. J.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1914.....	13,414	\$543,328	1918.....	11,670	\$1,036,600
1915.....	5,237	3,025,106	1919.....	3,743	494,964
1916.....	27,543	1,783,315	1920.....	3,606	414,357
1917.....	30,499	1,850,800			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair.....			2,642		\$370,715
Fish.....	1,726			\$345,215	
Oysters.....	916			25,500	
Nonmetallic minerals.....			287		22,980
Gasoline.....	280			22,870	
Salt.....		7		110	
Chemicals fertilizer.....		28	28	1,120	1,120
Unclassified.....			537		5,697
Ice.....		522		2,697	
Miscellaneous merchandise.....		15		3,000	
Total.....	2,922	572	3,494		400,512
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair: Fish.....		62	62	12,475.00	12,475.00
Wood and paper: Lumber.....	9		9	400.00	400.00
Nonmetallic minerals: Bricks.....		40	40	1,000.00	1,000.00
Total.....	9	102	111		13,875.00
Total receipts and shipments.....	2,931	674	3,605		414,387.00

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	2,642	\$370,715	62	\$12,475	2,704	\$383,190
Wood and paper.....			9	400	9	400
Nonmetallic minerals.....	287	22,980	40	1,000	327	23,980
Chemicals.....	28	1,120			28	1,120
Unclassified.....	537	5,697			537	5,697
Total.....	3,494	400,512	111	13,875	3,605	414,387

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Schooners.....	17	1,043
Steamers.....	9	1,302
Sloops.....	140	600
Yachts, power.....	(¹)	(²)
Total.....	66	2,915

¹ There is an association of boatmen, having control of 28 of these boats, operating for business. These carried approximately 150,000 passengers during 1920 to the Atlantic Ocean and return.

² Not reported. There are about 1,000 private yachts from 3 to 300 tons which use Absecon Inlet for a harbor and refuge continuously during the year. There is also a fleet of mackerel-fishing boats from Maine, with an average tonnage of 15 tons, which uses Absecon Inlet for a harbor and source of supplies for about two months during the year.

ABSECON CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912.....	26,265	\$98,275	1917.....	13,786	\$258,716
1913.....	29,540	105,660	1918.....	8,962	245,885
1914.....	5,500	210,825	1919.....	8,950	224,900
1915.....	3,689	115,010	1920.....	8,837	274,512
1916.....	11,601	239,985			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair.....			3,635		\$255,000
Clams.....	1,675			\$134,000	
Oysters.....	1,950			117,000	
Fish.....	10			4,000	
Chemicals: Bay cabbage.....	4,535		4,535	11,337	11,337
Unclassified: Miscellaneous merchandise.....		42	42	6,300	6,300
Total.....	8,170	42	8,212		272,637
SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair: Oyster shells.....	625		625	1,875	1,875
Total.....	625		625		1,875
Total receipts and shipments.....	8,795	42	8,837		274,512

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....	3,635	\$255,000	625	\$1,875	4,260	\$256,875
Chemicals.....	4,535	11,337			4,535	11,337
Unclassified.....	42	6,300			42	6,300
Total.....	8,212	272,637	625	1,875	8,837	274,512

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Schooners.....	9	395
Gas boats.....	21	90
Barges.....	5	20
Tugboats.....	4	
Total.....	39	505

TUCKERTON CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1902.	14,297	\$444,800	1911.	13,975	\$799,600
1903.	15,798	529,312	1912.	16,755	472,400
1904.	17,330	564,880	1913.	8,818	389,125
1905.	15,417	674,387	1914.	21,997	901,929
1906.	3,230	917,585	1915.	26,017	1,038,934
1907.	4,185	1,310,945	1916.	5,456	389,720
1908.	26,609	1,192,898	1917.	5,014	322,876
1909.	27,209	1,352,898	1918.	10,721	437,252
1910.	33,275	1,661,270			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair.....			4,471		\$306,846
Clams.....	894			\$78,402	
Fish.....	300			60,000	
Fish oil.....		50		10,000	
Oysters.....	3,227			160,444	
Vegetable food products: Hay (salt).....	178		178	3,213	3,213
Chemicals: Fish scrap.....		200	200	10,000	10,000
Unclassified: Miscellaneous merchandise.....		600	600	6,500	6,500
Total.....	4,599	850	5,449		326,559
SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair: Oyster shells.....	4,000		4,000	20,000	20,000
Textiles: Bags.....		18	18	4,581	4,581
Wood and paper.....			1,016		33,462
Barrels.....		112		12,000	
Lumber.....	904			21,462	
Nonmetallic minerals: Glass carboys.....	125		125	18,750	18,750
Chemicals: Paints and oils.....	32		32	9,600	9,600
Unclassified: Groceries.....		81	81	24,300	24,300
Total.....	4,904	368	5,272		110,693
Total receipts and shipments.....	9,503	1,218	10,721		437,252

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....	4,471	\$306,846	4,000	\$20,000	8,471	\$326,846
Vegetable food products.....	178	3,213			178	3,213
Textiles.....			18	4,581	18	4,581
Wood and paper.....			1,016	33,462	1,016	33,462
Nonmetallic minerals.....			125	18,750	125	18,750
Chemicals.....	200	10,000	32	9,600	232	19,600
Unclassified.....	600	6,500	81	24,300	681	30,800
Total.....	5,449	326,559	5,272	110,693	10,721	437,252

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.	Draft.
Gasoline vessels.....	2	60	<i>Feet.</i> 5
Power yachts.....	25	125	3
Oyster boats.....	125	250	2½
Barges.....	4	30	5
Pleasure launches.....	10	125	5
Total.....	166	590	.....

In addition to the above there are a number of motor boats coming and going over these waters during the year. Fishing boats carried a considerable number of passengers to and from the fishing banks.

TOMS RIVER, N. J.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers carried.	Year.	Tons.	Value.	Passengers carried.
1914.....	98	\$2,714	(1)	1918.....	1,860	\$302,150	22,800
1915.....	4,997	30,750	(1)	1919.....	1,856	199,885	22,135
1916.....	2,732	168,500	12,500	1920.....	1,318	191,840	25,678
1917.....	(1)	(1)	(1)				

¹ No statistics available.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair.....			105		\$10,440
Oysters.....	60			\$4,140	
Clams.....	40			3,300	
Fish.....	5			3,000	
Total.....	105		105		10,440
SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair: Provisions.....		228	228	91,500	91,500
Wood and paper: Ship timber.....	10		10	1,200	1,200
Nonmetallic minerals.....			925		58,700
Building materials.....	800			48,000	
Gasoline and oils.....	125			10,700	
Machinery and vehicles: Marine supplies.....		30	30	20,000	20,000
Unclassified: Miscellaneous merchandise.....	20		20	10,000	10,000
Total.....	955	258	1,213		181,400
Total receipts and shipments.....	1,060	258	1,318		191,840

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair	105	\$10,440	228	\$91,500	333	\$101,940
Wood and paper			10	1,200	10	1,200
Nonmetallic minerals			925	58,700	925	58,700
Machinery and vehicles			30	20,000	30	20,000
Unclassified			20	10,000	20	10,000
Total	105	10,440	1,213	181,400	1,318	191,840

Vessel classification, 1920.

Class.	Number.	Aggregate tonnage.
Gasoline boats	3	41

The above boats carried about 25,678 passengers to and from points on Toms River N. J., during 1920. There are about 500 power boats, averaging 4 tons each, operating continuously during the summer months, carrying freight and passengers to different points along the river.

CHESTER RIVER, PA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914	(¹)	(¹)	1918	11,824	\$206,161
1915	(¹)	(¹)	1919	100,738	776,947
1916	119,068	\$660,421	1920	20,178	283,177
1917	(¹)	(¹)			

¹ No statistics available.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Vegetable food products			3,513		\$144,418
Asparagus		20		\$3,780	
Melons		167		3,487	
Produce (farm)		3,323		136,863	
Strawberries		3		288	
Nonmetallic minerals			16,206		121,644
Coal	10,047			102,517	
Sand	5,409			16,127	
Stone	750			3,000	
Total	16,206	3,513	19,719		266,062
SHIPMENTS, INTERNAL.					
Wood and paper: Baskets		244	244	16,615	16,615
Nonmetallic minerals: Cinders	165		165	300	300
Chemicals: Manure	50		50	200	200
Total	215	244	459		17,115
Total receipts and shipments	16,421	3,757	20,178		283,177

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products.....	3,513	\$144,418			3,513	\$144,418
Wood and paper.....			244	\$16,615	244	16,615
Nonmetallic minerals.....	16,206	121,644	165	300	16,371	121,944
Chemicals.....			50	200	50	200
Total.....	19,719	266,062	459	17,115	20,178	283,177

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Gas boats.....	16	640
Lighters.....	2	70
Tugs.....	3	160
Barges.....	(¹)	(¹)
Total.....	21	870

¹ Not reported.

WILMINGTON HARBOR, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894.....	954,854	\$31,358,765	1906.....	738,403	\$61,026,414
1895.....	904,437	26,939,738	1907.....	815,245	64,707,475
1896.....	835,175	30,427,750	1910.....	896,974	71,278,878
1897.....	862,663	30,427,579	1911.....	859,736	68,674,051
1898.....	910,255	31,840,175	1912.....	778,606	69,965,131
1899.....	959,000	32,063,297	1913.....	473,382	48,270,363
1900.....	1,056,599	36,899,114	1914.....	363,199	63,396,957
1901.....	753,212	30,401,610	1915.....	396,713	93,695,495
1902.....	1,133,510	39,577,955	1916.....	508,221	173,317,399
1903.....	841,606	36,068,746	1917.....	414,987	134,863,705
1904.....	680,263	31,343,099	1918.....	532,225	160,078,945
1905.....	752,809	66,785,777	1919.....	523,473	242,107,391
1906.....	1,016,696	64,511,617	1920.....	663,462	244,183,572
1907.....	793,887	66,899,637			

Passengers carried, 3,341,041 in 1918, 336,690 in 1919, and 2,042,537 in 1920.

(Navigation season, Jan. 1 to Dec. 31, 1920.)

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair.....			4,600		\$2,520,875
Butter.....		1,000		\$1,000,000	
Fish.....	1,500			600,000	
Horses.....		1,500		900,000	
Oysters.....	600			20,875	
Vegetable food products.....			12,732		2,312,424
Canned goods.....		900		135,000	
Flour and meal.....		2,800		336,000	
Produce (farm).....		5,000		875,000	
Sugar.....		4,032		966,424	
Textiles: Bags.....		1	1	500	500
Wood and paper.....			68,439		1,157,459
Basket material.....	150			1,450	
Barrels.....		820		123,000	
Furniture.....		141		338,400	
Lumber.....	3,335			133,400	
Millwork (explosive casings).....		13		118,349	
Pulp wood.....	63,980			447,860	
Nonmetallic minerals.....			112,248		1,605,699
Coal.....	3,320			26,593	
Clay.....	25			1,000	
Cement.....		3,436		73,032	
Carboys (special).....		109		21,800	
Gasoline.....	23,662			1,052,162	
Glass.....		214		128,400	
Gravel.....	15,401			37,116	
Lime.....		60		900	
Oils (fuel).....	5,199			157,162	
Sand.....	60,822			107,534	
Ores, metals, and manufactures, except machinery and vehicles.....			9,341		366,496
Hardware.....		801		280,350	
Minerals and ores.....	8,540			86,146	
Machinery and vehicles: Automobiles.....		17,849	17,849	26,773,000	26,773,000
Chemicals: Chemicals and acids.....		19,374	19,374	6,125,247	6,125,247
Unclassified.....			243,896		52,257,926
Building material.....		925		187,535	
Groceries.....		6,100		1,830,000	
General merchandise.....		89,061		48,896,385	
Ice.....		247,700		1,338,500	
Miscellaneous.....		92		5,506	
Total.....	186,534	401,948	588,482		93,119,636

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair.....			7,050		\$73,690,000
Butter.....		50		\$50,000	
Leather (glazed kid).....		6,800		71,240,000	
Skins and hides (finished).....		200		2,400,000	
Vegetable food products: Flour and meal.....		100	100	12,000	12,000
Textiles: Bags.....		150	150	75,000	75,000
Wood and paper.....			1,517		5,896,622
Barrels.....		1,000		88,000	
Drums (explosive containers).....		471		5,756,622	
Furniture.....		46		52,000	
Ores, metals, and manufactures except machinery and vehicles: Hardware.....		20	20	9,000	9,000
Machinery and vehicles.....			42,744		54,157,382
Automobiles.....		35,997		53,546,000	
Machinery (powder).....		7,047		611,382	
Chemicals: Powder explosives.....		1,987	1,987	72,148	72,148
Unclassified: General.....		21,412	21,412	17,152,094	17,152,094
Total.....		74,980	74,980		151,064,246
Total receipts and shipments.....	186,534	476,928	663,462		244,183,872

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	4,600	\$2,520,875	7,050	\$73,690,000	11,650	\$76,210,875
Vegetable food products.....	12,732	2,312,424	100	12,000	12,832	2,324,424
Textiles.....	1	500	150	75,000	151	75,500
Wood and paper.....	68,439	1,157,459	1,517	5,896,622	69,956	7,054,081
Nonmetallic minerals.....	112,248	1,605,699			112,248	1,605,699
Ores, metals, and manufactures, except machinery and vehicles.....	9,341	366,496	20	9,000	9,361	375,496
Machinery and vehicles.....	17,849	26,773,000	42,744	54,157,382	60,593	80,930,382
Chemicals.....	19,374	6,125,247	1,987	72,148	21,361	6,197,395
Unclassified.....	343,898	52,257,926	21,412	17,152,094	365,310	69,410,020
Total.....	588,482	93,119,626	74,980	151,064,246	663,462	244,183,872

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.	Passengers.	Classes.	Number.	Aggregate tonnage.	Passengers.
Steamers.....	6	3,606	2,042,537	Mine sweepers.....	2	1,900	
Ferryboats.....	2	913		Cargo sweepers.....	12	94,953	
Steamships.....	4	16,235		Oil tankers.....	3	48,496	
Tugboats.....	3	162		Car float.....	1	1,100	
Deck lighters.....	15	6,000		Barge (seagoing).....	1	1,371	
Barges.....	4	1,000		Tugboat.....	1		
Gasoline boats.....	10	(¹)	(¹)	Total.....	98	175,736	2,042,537
Schooners.....	34	(¹)					

¹ Not reported. In addition to the above there were several steamships, numerous tugboats, schooners, and large barges, ranging in tonnage from 300 to 4,250 tons.

**INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE AND
DELAWARE BAYS, DEL. AND MD.**

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1919.....	363,510	\$15,629,975	(¹)
1920.....	481,113	42,596,925	22,156

¹ Impracticable to obtain.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
EAST AND WEST BOUND TRAFFIC.					
Animals and animal products, except wool and hair.....			343		\$17,548
Fish.....		18		\$1,800	
Oysters.....	281			111,248	
Tripe (crab bait).....		44		4,500	
Vegetable food products.....			26,554		4,240,577
Canned goods.....		1,963		392,542	
Corn.....	2,488			149,370	
Melons.....		75		1,500	
Sugar.....		11,884		3,548,790	
Tomatoes.....		9,811		115,075	
Wheat.....	333			33,300	
Other vegetable products, except fibers and wood: Dyewood.....	300		300	9,000	9,000
Wood and paper.....			172,334		4,130,441
Lumber.....	59,003			2,360,120	
Mine props.....	41,960			839,200	
Piling.....	8,081			109,228	
Poles.....		20		300	
Railroad ties.....	9,933			149,975	
Wood (fuel).....	3,502			25,020	
Wood pulp.....	49,835			747,600	
Nonmetallic minerals.....			82,113		610,117
Coal.....	50,361			503,601	
Lime.....		267		2,670	
Sand.....	24,867			79,227	
Stone.....	6,618			24,619	
Ores, metals, and manufactures, except machinery and vehicles.....			2,072		234,030
Cast-steel pipe.....		125		32,000	
Dredge fittings.....		485		97,000	
Iron ore.....	675			6,750	
Steel rails.....		8		800	
Ship fittings.....		50		10,000	
Tin cans.....		729		87,480	
Machinery and vehicles.....			5,311		3,301,700
Boulders.....		2,724		2,724,400	
Machinery.....		2,587		577,300	
Chemicals.....			62,484		4,103,412
Acid.....	28,977			580,951	
Alcohol.....		1,635		2,567,800	
Fertilizer.....		3,963		99,550	
Fertilizer material.....	15,531			467,015	
Phosphate.....	4,754			180,808	
Tankage.....	7,604			207,590	
Unclassified.....			129,602		25,950,100
Building material.....		731		146,200	
Merchandise.....		128,860		25,774,900	
Racing shells.....		5		29,000	
Total.....	315,103	166,010	481,113		42,596,925

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Freight traffic.	
	Tons.	Value.
Animals and animal products, except wool and hair	343	\$17, 548
Vegetable food products.....	26, 554	4, 240, 577
Other vegetable food products, except fibers and wood.....	300	9, 000
Wood and paper.....	172, 334	4, 130, 441
Nonmetallic minerals.....	82, 113	610, 117
Ores, metals, and manufactures, except machinery and vehicles.....	2, 072	234, 080
Machinery and vehicles.....	5, 311	3, 301, 700
Chemicals.....	62, 484	4, 103, 412
Unclassified.....	129, 602	25, 950, 100
Total.....	481, 113	42, 596, 925

Vessel classification, 1920.

Classes.	Number of boats.		Total.	Aggregate net tonnage.	Passengers.
	East-bound.	West-bound.			
Packets.....	783	790	1, 573	230, 281	22, 156
Tugs.....	476	485	961	37, 153	.....
Government boats.....	246	260	506	17, 922	.....
Sail.....	62	60	122	6, 269	.....
Barges.....	653	704	1, 357	408, 069	.....
Yachts.....	404	411	815	16, 151	.....
Small craft.....	385	540	925	113	.....
Total.....	3, 009	3, 250	6, 259	715, 858	22, 156

¹ Incomplete.

Number of lockages, 2,613 east bound and 2,790 west bound, a total of 5,403.

APPOQUINIMINK RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894.....	16, 755	\$852, 992	1907.....	33, 525	\$2, 238, 950
1895.....	15, 643	592, 240	1908.....	30, 975	1, 942, 325
1896.....	20, 170	961, 250	1909.....	26, 250	1, 786, 400
1897.....	21, 425	1, 283, 850	1910.....	31, 550	1, 904, 300
1898.....	23, 185	1, 339, 100	1911.....	31, 225	1, 911, 450
1899.....	23, 200	1, 547, 800	1912.....	27, 370	1, 712, 400
1900.....	27, 415	1, 730, 650	1913.....	28, 850	1, 853, 375
1901.....	25, 075	1, 093, 900	1914.....	29, 775	1, 422, 425
1902.....	30, 845	1, 787, 050	1915.....	2, 758	112, 312
1903.....	28, 800	1, 788, 625	1916.....	1, 853	65, 668
1904.....	30, 705	2, 055, 600	1917.....	2, 069	93, 890
1905.....	31, 700	2, 131, 575	1918.....	2, 084	95, 900
1906.....	32, 370	2, 180, 375	1919.....	6, 212	111, 994
			1920.....		

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Nonmetallic minerals.....			4,698		\$28,494
Coal.....	1,245			\$15,530	
Stone.....	3,453			12,964	
Chemicals: Fertilizer.....		1,084	1,084	53,700	53,700
Total.....	4,698	1,084	5,782		82,194
SHIPMENTS, INTERNAL.					
Vegetable food products: Canned goods....		330	330	28,400	28,400
Nonmetallic minerals: Coal.....	100		100	1,400	1,400
Total.....	100	330	430		29,800
Total receipts and shipments.....	4,798	1,414	6,212		111,994

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products.....			330	\$28,400	330	\$28,400
Nonmetallic minerals.....	4,698	\$28,494	100	1,400	4,798	29,894
Chemicals.....	1,084	53,700			1,084	53,700
Total.....	5,782	82,194	430	29,800	6,212	111,994

Vessel classification, 1920.

Class.	Number.	Aggregate tonnage.
Gasoline boats.....	3	232

SMYRNA RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893.....	245,693	\$3,116,850	1906.....	207,021	\$5,122,450
1894.....	402,014	3,458,300	1907.....	197,290	4,914,450
1895.....	302,187	3,455,325	1908.....	203,080	5,047,000
1896.....	301,146	3,034,280	1909.....	203,580	4,979,740
1897.....	315,680	2,939,330	1913.....	117,786	1,067,750
1898.....	337,024	3,432,325	1914.....	20,216	299,452
1899.....	339,791	3,769,275	1915.....	18,580	470,418
1900.....	348,728	4,195,275	1916.....	9,266	319,248
1902.....	430,236	3,455,469	1917.....	10,652	260,832
1903.....	429,411	4,191,850	1918.....	10,734	501,275
1904.....	828,091	6,163,450	1919.....	5,218	258,143
1905.....	204,731	4,923,450	1920.....	4,893	158,952

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Vegetable food products: Tomatoes.....		41	41	\$1,235	\$1,235
Wood and paper: Baskets.....		138	138	9,228	9,228
Nonmetallic minerals.....			210		1,900
Coal.....	110			1,580	
Salt.....		100		400	
Ores, metals, and manufactures, except machinery and vehicles: Tin cans.....		245	245	36,000	36,000
Chemicals.....			2,384		65,696
Fertilizer.....		900		36,400	
Phosphate.....	1,424			29,296	
Total.....	1,534	1,484	3,018		114,119
SHIPMENTS, INTERNAL.					
Vegetable food products.....			1,833		42,623
Corn.....	295			8,650	
Tomatoes.....		1,538		33,973	
Chemicals: Fertilizer.....		42	42	2,210	2,210
Total.....	295	1,580	1,875		44,833
Total receipts and shipments.....	1,829	3,064	4,893		158,952

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products.....	41	\$1,235	1,833	\$42,623	1,874	\$43,858
Wood and paper.....	138	9,228			138	9,228
Nonmetallic minerals.....	210	1,900			210	1,900
Ores, metals, and manufactures, ex- cept machinery and vehicles.....	245	36,000			245	36,000
Chemicals.....	2,384	65,696	42	2,210	2,426	67,906
Total.....	3,018	114,119	1,875	44,833	4,893	158,952

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Steamer.....	1	145
Gasoline boats.....	18	460
Sailboats.....	2	80
Total.....	21	685

LEIPSIC RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910.....	17,241	\$454,150	1916.....	14,098	\$270,837
1911.....	15,498	327,208	1917.....	8,207	256,432
1912.....	16,057	324,655	1918.....	3,144	102,480
1913.....	12,581	254,380	1919.....	1,916	820,050
1914.....	10,289	139,657	1920.....	1,180	49,704
1915.....	12,462	248,020			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Wood and paper: Baskets.....		28	28	\$1,932	\$1,932
Nonmetallic minerals: Coal.....	38		38	342	342
Chemicals: Fertilizer.....		83	83	2,017	2,017
Total.....	38	111	149		4,291
SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair: Oysters and clams.....	18		18	936	936
Vegetable food products.....			975		44,135
Corn.....	506			22,400	
Canned goods.....		100		16,731	
Hay (salt).....	47			800	
Tomatoes.....		322		4,204	
Nonmetallic minerals: Coal.....	38		38	342	342
Total.....	609	422	1,031		45,413
Total receipts and shipments.....	647	533	1,180		49,704

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....			18	\$936	18	\$936
Vegetable food products.....			975	44,135	975	44,135
Wood and paper.....	28	\$1,932			28	1,932
Nonmetallic minerals.....	38	342	38	342	76	684
Chemicals.....	83	2,017			83	2,017
Total.....	149	4,291	1,031	45,413	1,180	49,704

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Steamer.....	1	98
Gasoline boats.....	5	100
Schooners ¹	4	120
Total.....	10	318

¹ Equipped with gasoline power.

LITTLE RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912.....	6,075	\$160,500	1917.....	8,238	\$228,475
1913.....	27,061	1,355,150	1918.....	9,076	215,548
1914.....	6,636	213,652	1919.....	10,721	454,980
1915.....	5,889	107,047	1920.....	9,168	373,070
1916.....	7,327	236,633			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair.....			5,125		\$175,100
Oysters and clams.....	5,000			\$175,000	
Oyster shells.....	125			100	
Nonmetallic minerals.....			570		31,520
Coal.....	220			3,520	
Gasoline.....	350			28,000	
Ores, metals and manufactures, except ma- chinery and vehicles: Tin cans.....		150	150	20,000	20,000
Machinery and vehicles: Machinery.....		8	8	1,600	1,600
Total.....	5,695	158	5,853		228,220
SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair: Fish.....	40		40	9,600	9,600
Vegetable food products.....			3,170		129,250
Canned goods.....		570		71,250	
Grain.....	600			30,000	
Hay.....	2,000			28,000	
Unclassified: Merchandise.....		105	105	6,000	6,000
Total.....	2,640	675	3,315		144,850
Total receipts and shipments.....	8,335	833	9,168		373,070

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	5,125	\$175,100	40	9,600	5,165	\$184,700
Vegetable food products.....			3,170	129,250	3,170	129,250
Nonmetallic minerals.....	570	31,520			570	31,520
Ores, metals and manufactures, except machinery and vehicles.....	150	20,000			150	20,000
Machinery and vehicles.....	8	1,600			8	1,600
Unclassified.....			105	6,000	105	6,000
Total.....	5,853	228,220	3,315	144,850	9,168	373,070

Vessel classification.

Classes.	Number.	Aggregate tonnage.
Steamers.....	2	332
Gas boats.....	2	110
Schooners ¹	20	600
Total.....	24	1,042

¹ Equipped with gasoline power.

ST. JONES RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	27,777	\$1,201,565	1911.....	100,154	\$5,876,550
1895.....	65,486	3,195,489	1913.....	102,291	5,901,524
1900.....	69,241	3,560,829	1914.....	11,825	585,626
1904.....	81,610	4,658,444	1915.....	7,063	171,480
1905.....	89,018	5,463,338	1916.....	6,384	189,455
1906.....	55,196	6,165,940	1917.....	10,334	507,914
1907.....	76,377	4,809,740	1918.....	2,612	125,418
1908.....	235,313	4,486,778	1919.....	2,894	181,210
1909.....	118,660	6,055,129	1920.....	1,745	87,068
1910.....	121,871	5,888,075			

[Navigation season, Jan. 1, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Wood and paper: Baskets.....		4	4	300	300
Nonmetallic minerals: Coal.....	259		259	4,902	4,902
Chemicals: Phosphate.....		402	402	14,070	14,070
Total.....	259	406	665		19,272
SHIPMENTS, INTERNAL.					
Vegetable food products.....			844		48,916
Canned goods.....		250		12,600	
Corn.....	196			8,769	
Hay (salt).....	42			712	
Tomatoes.....	50			750	
Wheat.....	306			26,085	
Chemicals: King crabmeal.....		236	236	18,880	18,880
Total.....	594	486	1,080		67,796
Total receipts and shipments.....	853	892	1,745		87,068

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products.....			844	\$48,916	844	\$48,916
Wood and paper.....	4	\$300			4	300
Nonmetallic minerals.....	259	4,902			259	4,902
Chemicals.....	402	14,070	236	18,880	638	32,950
Totals.....	665	19,272	1,080	67,796	1,745	87,068

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Steamer.....	1	90
Barge.....	1	75
Schooners.....	3	135
Sailboat.....	1	45
Total.....	6	345

MURDERKILL RIVER, DEL.

Comparative statement of traffic, 1920.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894.....	39,224	\$715,370	1907.....	63,180	\$1,370,900
1895.....	32,712	741,742	1908.....	29,478	1,156,800
1896.....	40,642	925,362	1909.....	26,067	1,324,700
1897.....	42,542	581,210	1910.....	35,173	1,437,200
1898.....	40,947	1,567,215	1912.....	34,895	1,472,750
1899.....	45,954	1,756,015	1913.....	35,062	1,431,950
1900.....	70,619	2,244,980	1914.....	26,269	924,870
1901.....	13,300	694,750	1915.....	32,945	1,012,955
1902.....	21,253	837,650	1916.....	33,105	2,068,400
1903.....	18,189	803,388	1917.....	32,501	1,838,401
1904.....	22,480	935,780	1918.....	23,914	1,801,238
1905.....	31,885	1,276,350	1919.....	27,680	2,224,401
1906.....	29,015	1,418,325	1920.....	24,198	4,100,993

Passengers carried, 5,886 in 1919 and 6,626 in 1920.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair.....			297		\$736,950
Boots and shoes.....		240		\$720,000	
Horses (113 head).....		57		16,950	
Vegetable food products.....			592		158,992
Flour and meal.....		224		27,225	
Potatoes.....		86		4,480	
Sugar.....		282		127,287	
Other vegetable products, except fibers and wood: Rubber goods.....		200	200	140,000	140,000
Textiles: Dry goods.....		190	190	19,000	19,000
Wood and paper.....			485		67,350
Furniture.....		165		57,750	
Lumber.....	320			9,600	
Nonmetallic minerals.....			6,327		126,155
Coal.....	2,161			26,840	
Cement.....		125		3,750	
Lime.....		113		2,700	
Sand.....	800			800	
Stone.....	2,604			13,465	
Tin cans.....		524		78,600	
Ores, metals, and manufactures, except machinery and vehicles: Hardware.....		364	364	72,800	72,800
Machinery and vehicles.....			176		62,375
Automobiles.....		5		7,200	
Machinery.....		165		53,625	
Wagons.....		6		1,550	
Chemicals.....			2,371		88,565
Phosphate.....	1,221			79,365	
Phosphate rock.....	1,150			9,200	
Unclassified.....			2,285		535,500
Groceries.....		685		239,750	
Ice.....		725		7,250	
Miscellaneous.....		615		184,500	
Notions.....		260		104,000	
Total.....	8,256	5,031	13,287		2,007,687
SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair.....			3,296		1,480,506
Cattle (640 head).....		110		48,000	
Clams.....		27		2,700	
Hogs (29 head).....		4		1,812	
Horses (64 head).....		32		9,600	
Sheep (24 head).....		3		360	
Poultry (live).....		143		128,250	
Poultry (dressed).....		23		23,234	
Eggs.....		2,431		1,215,500	
Fish.....		208		41,600	
Oysters.....		315		9,450	
Vegetable food products.....			6,695		480,800
Apples.....		1,077		53,872	
Berries.....		266		27,180	
Canned goods.....		1,584		132,550	
Cantaloupes.....		78		2,352	
Grain.....		1,579		130,206	
Pears.....		182		9,080	
Peaches.....		633		47,450	
Potatoes.....		1,063		66,440	
Truck (garden).....		233		11,670	
Wood and paper: Baskets and crates.....		508	508	29,000	29,000
Machinery and vehicles: Automobiles.....		12	12	12,000	12,000
Unclassified: Miscellaneous.....		400	400	100,000	100,000
Total.....		10,911	10,911		2,102,306
Total receipts and shipments.....	8,256	15,942	24,198		4,109,993

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	297	\$736,950	3,296	\$1,490,506	3,593	\$2,217,456
Vegetable food products.....	592	158,992	6,605	480,800	7,287	638,792
Other vegetable products, except fibers and wood.....	200	140,000	.....	.....	200	140,000
Textiles.....	190	19,000	.....	.....	190	19,000
Wood and paper.....	485	67,350	508	29,000	993	96,350
Nonmetallic minerals.....	6,327	126,155	.....	.....	6,327	126,155
Ores, metals, and manufactures, except machinery and vehicles.....	364	72,900	12	12,000	376	84,900
Machinery and vehicles.....	176	62,375	.....	.....	176	62,375
Chemicals.....	2,371	88,565	.....	.....	2,371	88,565
Unclassified.....	2,285	535,500	400	100,000	2,685	635,500
Totals.....	13,287	2,007,687	10,911	2,102,306	24,198	4,109,993

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.	Passengers.
Steamers (registered).....	3	630	6,626
Schooners.....	7	180	.....
Power boats (unregistered).....	6	60	.....
Total.....	16	850	6,626

MISPILLION RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895.....	56,290	\$835,995	1908.....	171,034	\$5,107,350
1896.....	55,776	850,599	1909.....	187,356	4,085,500
1897.....	83,129	1,676,704	1910.....	191,745	5,133,500
1898.....	103,432	1,902,940	1912.....	140,885	5,602,400
1900.....	174,899	2,809,413	1913.....	157,150	6,155,600
1901.....	113,258	3,027,696	1914.....	24,492	576,522
1902.....	57,340	1,565,340	1915.....	31,773	1,014,346
1903.....	139,576	3,473,760	1916.....	31,254	3,638,380
1904.....	187,065	4,537,300	1917.....	32,075	1,453,275
1905.....	121,687	3,349,300	1918.....	12,239	812,715
1906.....	258,704	6,117,323	1919.....	2,507	154,910
1907.....	229,886	5,226,230	1920.....	6,521	324,356

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair: Oysters.....	420	.....	420	\$12,600	\$12,600
Wood and paper: Lumber.....	.....	80	80	5,540	5,540
Nonmetallic minerals: Coal.....	398	.....	398	3,184	3,184
Ores, metals, and manufactures, except machinery and vehicles: Tin cans.....	.....	430	430	55,900	55,900
Machinery and vehicles: Machinery.....	.....	600	600	75,000	75,000
Chemicals: Phosphate.....	3,753	.....	3,753	95,642	95,642
Total receipts.....	4,571	1,110	5,681	.....	247,886
SHIPMENTS, INTERNAL.					
Vegetable food products.....	.....	.....	840	.....	76,490
Canned goods.....	.....	585	.....	54,915	.....
Wheat.....	255	.....	.....	21,575	.....
Total receipts and shipments.....	4,826	1,695	6,521	.....	324,356

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....	420	\$12,600	.....	.....	420	\$12,600
Vegetable food products.....	.....	.....	840	\$76,490	840	76,490
Wood and paper.....	80	5,540	.....	.....	80	5,540
Nonmetallic minerals.....	398	3,184	.....	.....	398	3,184
Ores, metals, and manufactures, ex- cept machinery and vehicles.....	430	55,900	.....	.....	430	55,900
Machinery and vehicles.....	600	75,000	.....	.....	600	75,000
Chemicals.....	3,753	95,642	.....	.....	3,753	95,642
Total.....	5,681	247,886	840	76,490	6,521	324,356

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Steamer.....	1	190
Gas boats.....	1	150
Schooners.....	(1)	(1)
Total.....	2	340

¹ Not reported.

BROADKILL RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1908.....	35,122	\$750,825	1916.....	16,531	\$234,070
1909.....	35,163	1,110,450	1917.....	5,986	138,478
1910.....	10,929	320,105	1918.....	6,906	140,200
1912 ¹	1,963	50,985	1919.....	6,306	252,898
1914 ¹	172	2,453	1920.....	4,522	105,122
1915.....	5,879	91,915			

¹ Incomplete.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair: Oysters.....	3, 100		3, 100	\$53, 300	\$53, 300
Wood and paper.....			337		7, 949
Baskets.....		73		4, 925	
Lumber.....	264			3, 024	
Total.....	3, 364	73	3, 437		61, 249
SHIPMENTS, INTERNAL.					
Vegetable food products.....			985		35, 875
Peaches.....		110		9, 625	
Produce (farm).....		875		28, 250	
Nonmetallic minerals: Gasoline.....	100		100	7, 998	7, 998
Total.....	100	985	1, 085		43, 873
Total receipts and shipments.....	3, 464	1, 058	4, 522		105, 122

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	3,100	\$53,300			3,100	\$53,300
Vegetable food products.....			985	\$35,875	985	35,875
Wood and paper.....	337	7,949			337	7,949
Nonmetallic minerals.....			100	7,998	100	7,998
Total.....	3,437	61,129	1,085	43,873	4,522	105,122

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Steamer.....	1	150
Gas boat.....	1	25
Power boats.....	10	70
Total.....	12	245

INLAND WATERWAY BETWEEN REHOBOTH BAY AND DELAWARE BAY,
DEL.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1914.....	4,928	\$67,123	1918.....	9,591	\$237,430
1915.....	13,655	303,239	1919.....	4,813	204,525
1916.....	26,968	450,129	1920.....	3,367	143,160
1917.....	15,275	397,680			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair.....			1,562		\$77,196
• Clams.....	50			\$3,000	
• Fish.....	500			52,500	
• Oysters.....	800			20,000	
• King crabs.....	212			1,696	
Vegetable food products: Tomatoes.....		183	183	4,400	4,400
Wood and paper.....			1,421		58,455
• Cordwood.....	180			1,800	
• Lumber.....	188			4,000	
• Mine props.....	1,053			52,655	
Nonmetallic minerals.....			61		975
• Bricks.....		9		60	
• Cement.....		1		15	
• Coal.....	49			750	
• Gasoline.....		2		150	
Machinery and vehicles: Machinery.....		2	2	1,000	1,000
Unclassified: Building material.....		24	24	1,280	1,280
Total.....	3,082	221	3,283		143,306
SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair.....			34		1,081
• Eggs.....		2		945	
• Oyster shells.....	32			136	
Vegetable food products.....			14		675
• Peaches.....		5		300	
• Potatoes.....		9		375	
Wood and paper: Baskets.....		16	16	1,098	1,098
Chemicals: Fertilizer.....		50	50	2,000	2,000
Total.....	32	82	114		4,854
Total receipts and shipments.....	3,064	303	3,367		148,160

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	1,562	\$77,196	34	\$1,081	1,596	\$78,277
Vegetable food products.....	183	4,400	14	875	197	5,075
Wood and paper.....	1,421	58,455	16	1,098	1,437	59,553
Nonmetallic minerals.....	61	975	.....	.....	61	975
Machinery and vehicles.....	2	1,000	.....	.....	2	1,000
Chemicals.....	.....	.....	50	2,000	50	2,000
Unclassified.....	24	1,280	.....	.....	24	1,280
Total.....	3,253	143,308	114	4,854	3,367	148,160

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Power boats.....	11	230
Sailing vessels.....	3	49
Barge.....	1	200
Motor boats.....	12	72
Total.....	27	551

INLAND WATERWAY FROM CHINCOTEAGUE BAY, VA., TO DELAWARE BAY, AT OR NEAR LEWES, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914.....	4,928	\$67,122	1918.....	5,045	\$271,891
1915.....	10,601	247,568	1919.....	29,423	2,433,619
1916.....	19,450	715,329	1920.....	29,996	1,090,458
1917.....	22,520	658,278			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair.....			10,924		\$883,105
Clams.....	4,516			\$180,860	
Fish.....		3,137		564,660	
Fish oil.....		470		84,000	
Oysters.....	2,107			51,129	
Oyster shells.....	694			2,516	
Vegetable food products.....			6,130		290,346
Corn.....	11			300	
Hay.....		33		396	
Hay (salt).....	15			225	
Oats.....		9		300	
Potatoes.....		5,887		284,925	
Tomatoes.....		175		4,200	
Other vegetable products, except fiber and wood: Tar (wood).....		60	60	2,700	2,700
Wood and paper.....			1,767		76,600
Barrels.....		155		6,200	
Cork board.....		10		3,500	
Furniture.....		7		4,900	
Lumber.....	1,595			62,000	
Nonmetallic minerals.....			1,482		96,153
Bricks.....		15		150	
Coal.....	324			4,500	
Cement.....		206		3,080	
Gasoline and oils.....		610		41,200	
Lime.....		58		928	
Petroleum products.....		69		46,085	
Sand.....	200			200	
Ores, metals, and manufactures, except machinery and vehicles.....			78		14,950
Boiler tubes.....		11		8,250	
Tin cans.....		67		6,700	
Machinery and vehicles: Machinery.....		108	108	16,200	16,200
Chemicals: Fish scrap.....		25	25	2,375	2,375
Unclassified.....			4,785		286,310
Ice.....		892		4,450	
Miscellaneous.....		3,893		281,860	
Total.....	9,462	15,897	25,359		1,668,739
SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair.....			1,960		184,025
Oysters and clams.....		1,135		42,775	
Oysters and clams (canned).....		825		141,250	
Vegetable food products.....			244		17,800
Canned goods.....		178		15,300	
Corn.....	50			1,950	
Oats.....		16		550	
Textiles: Bags.....		6	6	600	600
Wood and paper.....			1,708		77,724
Barrels.....		140		16,000	
Cordwood.....	267			2,569	
Lumber.....	248			6,500	
Mine props.....	1,053			52,655	
Nonmetallic minerals: Coal.....	136		136	2,220	2,220
Chemicals: Fertilizer.....		530	530	36,700	36,700
Unclassified: Miscellaneous.....		53	53	2,650	2,650
Total.....	1,754	2,883	4,637		321,719
Total receipts and shipments.....	11,216	18,780	29,996		1,990,458

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	10,924	\$883,105	1,960	\$184,025	12,884	\$1,067,130
Vegetable food products.....	6,130	290,346	244	17,800	6,374	380,146
Other vegetable products, except wool and hair.....	60	2,700			60	2,700
Textiles.....			6	600	6	600
Wood and paper.....	1,767	76,600	1,708	77,724	3,475	154,324
Nonmetallic minerals.....	1,482	96,153	136	2,220	1,618	98,373
Ores, metals, and manufactures, except machinery and vehicles.....	78	14,950			78	14,950
Machinery and vehicles.....	108	16,200			108	16,200
Chemicals.....	25	2,375	530	36,700	555	39,075
Unclassified.....	4,785	286,310	53	2,650	4,838	288,960
Total.....	25,359	1,668,739	4,637	321,719	29,996	1,990,458

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Gas boats.....	108	1,100

WATERWAY ON THE COAST OF VIRGINIA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910.....	45,207	\$451,050	1917.....	109,024	\$2,092,676
1911.....	47,169	947,900	1918.....	78,292	1,764,588
1914.....	1,955	37,426	1919.....	14,317	743,265
1915.....	32,262	63,962	1920.....	14,880	449,670
1916.....	123,172	6,018,055			

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Vegetable food products.....			41		\$1,300
Corn.....	25			\$700	
Oats.....		16		600	
Wood and paper.....			119		2,806
Cordwood.....	82			806	
Lumber.....	37			2,000	
Nonmetallic minerals: Coal.....	136		136	2,220	2,220
Chemicals: Fertilizer.....		40	40	2,400	2,400
Unclassified: Merchandise.....		500	500	50,000	50,000
Total.....	280	556	836		58,726
SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair.....			10,564		246,406
Clams.....	4,500			180,000	
Fish.....	60			10,800	
Oysters.....	5,635			54,650	
Oyster shells.....	369			956	
Vegetable food products.....			3,480		144,538
Corn.....	46			1,550	
Hay (salt).....	15			225	
Oats.....		9		300	
Potatoes.....		3,410		142,463	
Total.....	10,625	3,419	14,044		390,944
Total receipts and shipments.....	10,905	3,975	14,880		449,670

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products ex- cept wool and hair.....			10,564	\$246,406	10,564	\$246,406
Vegetable food products.....	41	\$1,300	3,480	144,538	3,521	145,838
Wood and paper.....	119	2,806			119	2,806
Nonmetallic minerals.....	136	2,220			136	2,220
Chemicals.....	40	2,400			40	2,400
Unclassified.....	500	50,000			500	50,000
Total.....	836	58,726	14,044	390,944	14,880	449,670

Vessel classification, 1920.

Classes.	Number.	Aggregate tonnage.
Gasoline boats.....	330	5,000
Sailboats.....	58	2,516
Total.....	388	7,516

BALTIMORE, MD., DISTRICT.

BALTIMORE HARBOR AND CHANNELS, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.	3,242,017	(1)	230,541	1905.	7,510,713	(1)	161,002
1890.	4,237,361	(1)	228,567	1906.	8,277,068	(1)	151,672
1891.	4,495,169	(1)	232,004	1907.	8,448,203	(1)	158,340
1892.	5,221,022	(1)	237,323	1908.	8,441,031	(1)	152,131
1893.	4,607,176	\$87,632,764	226,183	1909.	7,436,273	(1)	121,716
1894.	4,752,916	(1)	214,296	1910.	9,425,016	(1)	135,408
1895.	4,791,964	74,190,066	217,081	1911.	9,806,121	(1)	119,720
1896.	5,363,894	79,842,907	214,658	1912.	10,029,875	(1)	129,675
1897.	6,868,120	95,822,330	216,410	1913.	14,781,548	\$139,906,768	148,943
1898.	7,339,105	116,004,404	212,069	1914.	13,425,185	383,401,736	787,102
1899.	6,813,620	(1)	215,551	1915.	15,762,942	452,010,202	975,991
1900.	7,941,580	134,475,148	217,566	1916.	17,014,235	695,457,772	1,063,866
1901.	8,065,017	125,060,865	217,316	1917.	14,055,885	841,616,304	1,059,637
1902.	7,529,870	103,449,654	210,356	1918.	13,271,449	630,251,734	967,209
1903.	7,736,447	109,578,853	215,802	1919.	14,055,906	873,891,200	1,260,471
1904.	7,334,211	(1)	216,372	1920.	16,465,975	923,576,869	876,895

¹ No statistics available.² Foreign.³ Fiscal year statistics, foreign.⁴ Exclusive of 851,525 tons car-ferry traffic: value, \$89,721,557.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
<i>Free.</i>				
Animals and animal products, except wool and hair.....		455		\$71,578
Herring.....	132		\$17,273	
Mackerel.....	323		54,305	
Vegetable food products, oilseeds, expressed oils, and beverages.....		59,279		2,859,036
Bananas.....	53,946		1,238,355	
Coffee.....	1,882		662,207	
Palm oil.....	3,408		929,894	
Tea.....	43		28,580	
Other vegetable products, except fibers and wood:				
Clover seed.....	1,590	1,590	680,139	680,139
Textiles: Burlaps.....	134	134	62,986	62,986
Wood and paper.....		91,581		9,761,067
Corkwood and waste.....	6,930		443,498	
Paper stock.....	11,927		596,333	
Wood pulp.....	72,724		8,721,236	
Nonmetallic minerals.....		1,452,932		5,347,304
Mineral oil.....	1,352,842		4,829,863	
Salt.....	3,392		18,494	
Sulphur ore.....	95,698		498,947	
Ores, metals, and manufactures, except machinery and vehicles.....		1,203,128		25,659,608
Chrome ore.....	21,924		161,245	
Copper.....	27,426		10,331,421	
Iron ore.....	826,338		3,176,921	
Manganese ore.....	248,645		6,475,862	
Pig iron.....	38,179		4,819,543	
Tin in pigs, etc.....	616		694,616	
Chemicals.....		225,648		9,469,540
Fertilizers.....	123,949		5,159,324	
Nitrate of soda.....	101,699		4,310,216	
Miscellaneous: All other free articles.....	124,280	24,280	5,462,929	5,462,929
Total.....		3,050,027		59,374,187

¹ Estimated.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
<i>Dutiable.</i>				
Vegetable food products, oilseeds, expressed oils, and beverages		68,067		\$3,417,392
Egg yolk	168		\$178,859	
Molasses	50,138		295,673	
Olive oil	1,533		1,032,111	
Pepper	341		75,275	
Sugar	6,877		1,835,474	
Other vegetable products, except fibers and wood		4,726		711,299
Licorice root	4,846		501,029	
Tobacco, leaf	80		210,270	
Textiles		3,619		1,306,507
Cotton cloth	183		191,184	
Cotton laces	18		21,281	
Cotton manufactures	1146		87,873	
Linen and manufactures of flax, etc	1144		144,138	
Linoleum	1,204		186,409	
Matting	1,863		443,393	
Straw braid	170		223,010	
Wool cloth	1		9,219	
Wood and paper		436		614,603
Cork manufactures	1284		568,920	
Paper and manufactures of	1152		45,683	
Nonmetallic minerals		52,912		1,177,933
China and earthenware	14,989		648,593	
Clays	37,477		426,581	
Fluorspar	10,433		102,394	
Marble	113		365	
Chemicals: Ammonia, muriate of	199	199	40,314	40,314
Miscellaneous		13,054		3,241,930
Bristles	35		162,608	
Toys and dolls	1546		272,909	
All other dutiable articles	112,473		2,806,413	
Total		143,003		10,509,978
Total imports		3,202,030		69,884,165
EXPORTS.				
Animals and animal products, except wool and hair		41,267		14,627,185
Bacon and hams	7,423		2,992,44	
Beef, canned and salted	298		168,918	
Lard	8,152		3,889,184	
Leather and manufactures	17,241		1,088,18	
Milk, prepared, etc.	13,863		4,472,112	
Neutral lard and oleo oil	2,080		1,024,067	
Tallow	84		31,220	
Other meat products	11,926		963,242	
Vegetable food products, oilseeds, expressed oils, and beverages		1,745,509		143,385,167
Barley	17,658		823,430	
Corn	45,455		2,243,610	
Corn meal	9,534		811,457	
Feed	8		587	
Flour, wheat	188,253		20,244,028	
Flour, rye			75	
Fruit	127,880		1,394,019	
Glucose	5,395		640,892	
Malt	3,309		373,360	
Oats	30,315		1,945,857	
Oat meal	4,358		442,510	
Oil, cottonseed	383		138,617	
Oil cake and meal	1,292		92,616	
Rye	551,031		42,829,624	
Vegetables	126,708		1,068,337	
Wheat	833,950		76,346,218	
Other vegetable products, except fibers and wood		52,236		36,265,285
Cigarettes	1,454		2,021,506	
Naval stores	12,007		200,683	
Starch	13,414		1,491,836	
Tobacco	35,361		32,551,257	

¹ Estimated.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Textiles.....		7,452		\$5,105,487
Binder twine.....	1,478		\$414,517	
Cotton, raw.....	3,771		3,030,070	
Cotton cloth.....	1,519		1,455,586	
Hair.....	1,684		205,314	
Wood and paper.....		57,952		5,460,019
Paper, and manufactures of.....	13,744		1,123,248	
Lumber, and manufactures of.....	154,208		4,336,671	
Nonmetallic minerals.....		4,470,209		56,402,053
Coal.....	4,354,070		47,338,838	
Coke.....	61,966		764,195	
Glass and glassware.....	13,045		1,522,628	
Oil, illuminating.....	25,374		25,192	
Oil, lubricating.....	42,245		5,405,817	
Paraffin wax.....	8,509		1,345,353	
Ores, metals, and manufactures, except machinery and vehicles.....		141,391		67,604,668
Brass and manufactures of.....	1104		104,218	
Copper.....	65,504		27,874,154	
Iron and steel manufactures (except rails and machinery).....	136,170		36,169,827	
Nickel.....	10		9,100	
Steel rails.....	31,890		2,057,428	
Tin manufactures.....	11,445		289,079	
Zinc.....	6,268		1,100,862	
Machinery and vehicles.....		58,139		22,813,333
Agricultural implements.....	17,042		2,112,497	
Cars, carriages, autos, etc.....	126,857		13,428,688	
Machinery.....	124,240		7,272,148	
Chemicals.....	17,386	7,386	3,693,215	3,693,215
Miscellaneous: All other articles.....	189,670	89,670	20,175,733	20,175,733
Total.....		6,671,211		381,532,145
Total imports and exports.....		9,872,746		451,416,310

CANADIAN ARTICLES RECEIVED IN BOND AND EXPORTED DURING THE YEAR.

Vegetable food products, oilseeds, expressed oils, and beverages.....		79,039		\$5,549,611
Barley.....	406		\$16,332	
Beer.....	1284		7,088	
Canned fruit.....	235		24,947	
Canned vegetables.....	1132		11,788	
Grapenuts.....	1120		11,973	
Rye.....	4,213		280,055	
Wheat.....	73,641		5,190,771	
Whisky.....	8		6,656	
Other vegetable products, except fibers and wood:.....				
Automobile tires.....	167	67	121,184	121,184
Wood and paper.....		1,302		66,343
Furniture.....	160		11,995	
Lumber.....	1,078		33,367	
Woodenware.....	116		3,200	
Wall paper.....	1148		17,781	
Ores, metals, and manufactures, except machinery and vehicles.....		4,750		365,325
Ferrosilicon.....	3,928		213,173	
Iron pipe.....	617		95,108	
Iron and steel manufactures.....	142		41,579	
Steel bars.....	144		12,465	
Steel sheets.....	19		3,000	
Machinery and vehicles.....		409		182,924
Agricultural implements.....	183		54,797	
Automobiles.....	50		40,056	
Car parts.....	1176		88,071	
Chemicals.....		385		52,894
Calcium carbide.....	62		4,500	
Sulphate of ammonia.....	323		48,384	
Total.....		85,952		6,338,271

1 Estimated.

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.			6,792		\$19,779,000	Miles.	Cents.
Boots and shoes.		6,394		\$19,182,000		723	(1)
Leather.		398		597,000		723	(1)
Vegetable food products, oil-seeds, expressed oils, and beverages.			18,517		300,810		
Beet pulp.		55		3,300		508	(1)
Canned goods.		914		82,280		685	(1)
Flour.		45		5,400		704	(1)
Fruit and farm produce.		2,732		135,600		747	(1)
Molasses.	14,770			73,850		1,065	(1)
Peanuts.		1		400		747	(1)
Other vegetable products, except fibers and wood.			17,142		2,119,750		
Naval stores.		2,665		266,500		622	(1)
Rosin.		11,606		590,250		622	(1)
Starch.		529		52,900		622	(1)
Tobacco, leaf.		162		129,600		747	(1)
Turpentine.		2,181		1,090,500		622	(1)
Textiles.			3,273		2,085,400		
Cotton, raw.		2,976		1,785,600		601	(1)
Dry goods.		14		16,800		685	(1)
Wool.		283		283,000		685	(1)
Wood and paper.			44,671		894,592		
Lumber.	13,178			263,360		597	(1)
Paper products.		1,160		348,000		723	(1)
Piling.	19,107			114,642		435	(1)
Railroad ties.	11,226			168,390		622	(1)
Nonmetallic minerals.			99,465		2,110,912		
Cement.		1,863		27,945		124	(1)
Clay and fuller's earth.		5,460		273,000		622	(1)
Oil, fuel.	81,429			1,425,007		1,867	(1)
Oil, lubricating.		1,001		80,080		622	(1)
Oil, petroleum.	7,376			258,160		(1)	(1)
Sulphur.	2,336			46,720		1,411	(1)
Ores, metals, and manufactures of, except machinery and vehicles.			8,176		532,845		
Iron and steel manufactures.		2,829		452,640		704	(1)
Ore.	5,347			80,205		1,494	(1)
Chemicals.			341,833		10,615,725		
Acid, sulphuric.		2,202		33,030		1,411	(1)
Ammonia, sulphate of.	100			15,000		(1)	(1)
Fertilizer and materials.	306,415			9,192,450		1,494	(1)
Phosphate rock.	20,000			300,000		1,200	(1)
Soap and soap powder.		577		72,125		673	(1)
Soda and potash.	12,539			1,003,120		(1)	(1)
Miscellaneous.			1,822		717,525		
General merchandise.		455		102,375		508	(1)
Groceries.		1,367		615,150		673	(1)
Total receipts, coastwise.	493,823	47,868	541,691		39,156,559		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.			2,772		7,948,500		
Boots and shoes.		2,526		7,578,000		685	(1)
Leather.		246		370,500		685	(1)
Vegetable food products, oil-seeds, expressed oils, and beverages.			23,656		1,962,440		
Canned goods.		13,025		1,172,250		558	(1)
Flour.		2,992		359,040		606	(1)
Fruit and farm produce.		1,435		71,750		606	(1)
Grain.	753	4,713		273,300		445	(1)
Grain products.		696		59,500		704	(1)
Hay and feed.		125		5,000		508	(1)
Wines, liquors, etc.		18		21,600		685	(1)

1 No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, COASTWISE— continued.							
Other vegetable products, except fibers and wood			1,211		\$774,050	Miles.	Cents.
Rosin		73		\$3,650		723	(1)
Starch		408		40,800		704	(1)
Tobacco, leaf		2		1,600		723	(1)
Tobacco, manufactures		728		728,000		704	(1)
Textiles			1,548		1,524,000		
Bags, burlap		45		1,800		508	(1)
Cotton, raw		32		19,200		723	(1)
Cotton linters		48		9,600		508	(1)
Cotton manufactures		331		198,600		508	(1)
Dry goods		1,014		1,216,800		704	(1)
Wool		78		78,000		704	(1)
Wood and paper			929		264,420		
Lumber	51			1,020		723	(1)
Paper and paper prod- ucts		878		263,400		704	(1)
Nonmetallic minerals			386,809		3,692,619		
Asbestos, crude		299		17,940		508	(1)
Asphalt		55		1,650		508	(1)
Bricks, fire	35			175		(1)	2
Bricks, building	2,781			27,810		322	(1)
Cement		321		4,815		606	(1)
Coal, bituminous	380,236			3,422,124		702	(1)
Oil, lubricating		2,508		200,640		704	(1)
Oil, petroleum		469		16,415		508	(1)
Salt		105		1,050		508	(1)
Ores, metals, and manufac- tures of, except machinery and vehicles			28,163		7,261,310		
Bottle caps		109		4,360		508	(1)
Cans, empty		85		8,500		508	(1)
Castings and machinery		15		2,400		508	(1)
Fencing, wire		362		54,300		508	(1)
Iron and steel, manufac- tures	2,207	15,160		5,658,720		606	(1)
Pipe, stove		23		2,300		508	(1)
Stoves		43		6,880		508	(1)
Tin plate	339	4,268		691,050		704	(1)
Wire and manufactures		5,552		832,800		704	(1)
Machinery and vehicles:							
Agricultural implements		13	13	3,900	3,900	508	(1)
Chemicals			17,307		548,040		
Ammonia, sulphate of		80		12,000		508	(1)
Fertilizer and materials	13,043	3,889		507,960		606	(1)
Paint		14		5,600		508	(1)
Soda and potash		281		22,480		704	(1)
Miscellaneous			63,804		14,345,085		
General merchandise		61,306		13,860,675		606	(1)
Groceries		712		320,400		606	(1)
Mine products		1,264		18,960		704	(1)
Packing-house products		447		134,100		704	(1)
Plumbing supplies		33		9,900		508	(1)
Roofing		42		1,050		508	(1)
Total	399,445	126,767	526,212		38,324,364		
Total coastwise re- ceipts and shipments	893,268	174,635	1,067,903		77,480,923		
RECEIPTS, INTERNAL.							
Animals and animal prod- ucts, except wool and hair			98,142		15,258,935		
Crabs, hard		50		4,000		(1)	(1)
Crabs, soft		90		45,000		(1)	(1)
Fish, fresh	75	11,226		904,080		126	(1)
Grease		1,641		32,820		187	(1)
Leather		107		106,500		187	(1)
Live stock		248		124,000		187	(1)
Meat and meat products		217		108,500		187	(1)

1 No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL—CON.							
Animals and animal products, except wool and half—Continued.						Miles.	Cents.
Oysters, in shell	40,857	2,099		\$966,510		107	8
Oyster shells	9,625			9,625		103	5
Oysters, shucked		14,978		4,493,400		104	(1)
Poultry, live and dressed		16,929		8,464,500		159	(1)
Vegetable food products, oil seeds, expressed oils, and beverages			114,137		\$9,534,298		
Agricultural products		23,815		1,428,900		104	(1)
Canned goods		18,109		1,629,810		185	8
Corn	12,032	474		787,878		125	(1)
Flour		468		56,160		119	(1)
Fruit and farm produce	360	27,201		1,378,050		141	7
Grain	680	239		45,950		119	(1)
Grain products		1,562		156,200		126	(1)
Hay and feed		629		25,160		119	(1)
Mill products		451		45,100		94	(1)
Oil, cottonseed		2,269		907,600		187	(1)
Peanuts		3,954		1,581,600		187	(1)
Pears		875		12,512		(1)	(1)
Straw		120		3,000		(1)	(1)
Sugar		428		128,400		187	(1)
Tomatoes		2,871		51,678		(1)	(1)
Wines, liquors, etc		284		297,600		187	(1)
Wheat	17,316			1,298,700		(1)	(1)
Other vegetable products, except fibers and wood			32,924		26,500,124		
Licorice, manufactures		1,064		212,800		(1)	(1)
Rosin		35		1,750		187	(1)
Seeds		489		195,600		187	(1)
Tar and pitch wood		575		23,187		(1)	(1)
Tobacco, leaf		23,452		18,761,600		119	(1)
Tobacco, manufactures		7,301		7,301,187		187	(1)
Turpentine		8		4,000		187	(1)
Textiles			40,040		43,616,200		
Cotton, raw		7,359		4,415,400		187	(1)
Cotton linters		11		2,200		187	(1)
Dry goods		32,643		39,171,600		187	(1)
Wool		27		27,000		187	(1)
Wood and paper			144,460		2,771,392		
Cordwood	3,483			13,932		(1)	(1)
Furniture		991		198,200		187	(1)
Lumber	122,791			2,455,820		233	1
Piling	17,165			102,990		(1)	(1)
Railroad ties	30			450		(1)	(1)
Nonmetallic minerals			791,947		28,013,565		
Cement		229		3,435		119	(1)
Oil, petroleum	779,650	2,068		27,990,130		187	(1)
Stone, crushed	10,000			20,000		45	(1)
Ores, metals, and manufactures of, except machinery and vehicles			48,499		240,615		
Bottle caps		10		4,000		187	(1)
Cans, empty		201		20,100		(1)	(1)
Castings and machinery		974		155,840		187	(1)
Drums, empty		106		33,760		64	(1)
Metals, bar and sheet		244		61,000		187	(1)
Pig iron		28		2,240		187	(1)
Rails, iron and steel		36		2,160		187	(1)
Sinters	46,900			16,415		(1)	(1)
Machinery and vehicles			2,146		3,129,300		
Agricultural implements		121		38,300		187	(1)
Automobiles		1,387		2,774,000		144	15
Wagons, carriages, etc		638		319,000		187	(1)
Chemicals: Fertilizer and materials	28,472	414	28,886	866,580	866,580	109	4
Miscellaneous: General merchandise		56,986	56,986	12,821,850	12,821,850	119	(1)
Total	1,089,436	268,731	1,358,167		143,052,859		

¹ No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, COASTWISE— continued.							
Other vegetable products, except fibers and wood...			1,211		\$774,050	Miles.	Cents.
Rosin.....		73		\$3,650		723	(1)
Starch.....		408		40,800		704	(1)
Tobacco, leaf.....		2		1,600		723	(1)
Tobacco, manufactures.....		728		728,000		704	(1)
Textiles.....			1,548		1,524,000		
Bags, burlap.....		45		1,800		508	(1)
Cotton, raw.....		32		19,200		723	(1)
Cotton linters.....		48		9,600		508	(1)
Cotton manufactures.....		331		198,600		508	(1)
Dry goods.....		1,014		1,216,800		704	(1)
Wool.....		78		78,000		704	(1)
Wood and paper.....			929		264,420		
Lumber.....	51			1,020		723	(1)
Paper and paper prod- ucts.....		878		263,400		704	(1)
Nonmetallic minerals.....			386,809		3,692,619		
Asbestos, crude.....		299		17,940		508	(1)
Asphalt.....		55		1,650		508	(1)
Bricks, fire.....	35			175		(1)	(1)
Bricks, building.....	2,781			27,810		322	(1)
Cement.....		321		4,815		606	(1)
Coal, bituminous.....	380,236			3,422,124		702	(1)
Oil, lubricating.....		2,508		200,640		704	(1)
Oil, petroleum.....		469		16,415		508	(1)
Salt.....		105		1,050		508	(1)
Ores, metals, and manufac- tures of, except machinery and vehicles.....			28,163		7,261,310		
Bottle caps.....		109		4,360		508	(1)
Cans, empty.....		85		8,500		508	(1)
Castings and machinery.....		15		2,400		508	(1)
Fencing, wire.....		362		54,300		508	(1)
Iron and steel, manufac- tures.....	2,207	15,160		5,658,720		606	(1)
Pipe, stove.....		23		2,300		508	(1)
Stoves.....		43		6,880		508	(1)
Tin plate.....	339	4,268		691,050		704	(1)
Wire and manufactures.....		5,552		832,800		704	(1)
Machinery and vehicles: Agricultural implements.....		13	13	3,900	3,900	508	(1)
Chemicals.....			17,307		548,040		
Ammonia, sulphate of.....		80		12,000		508	(1)
Fertilizer and materials.....	13,043	3,889		507,960		606	(1)
Paint.....		14		5,600		508	(1)
Soda and potash.....		281		22,480		704	(1)
Miscellaneous.....			63,804		14,345,085		
General merchandise.....		61,306		13,860,675		606	(1)
Groceries.....		712		320,400		606	(1)
Mine products.....		1,264		18,960		704	(1)
Packing-house products.....		447		134,100		704	(1)
Plumbing supplies.....		33		9,900		508	(1)
Roofing.....		42		1,050		508	(1)
Total.....	399,445	126,767	526,212		38,324,364		
Total coastwise re- ceipts and shipments.....	893,268	174,635	1,067,903		77,480,923		
RECEIPTS, INTERNAL.							
Animals and animal prod- ucts, except wool and hair.....			98,142		15,258,935		
Crabs, hard.....		50		4,000		(1)	(1)
Crabs, soft.....		90		45,000		(1)	(1)
Fish, fresh.....	75	11,226		904,080		126	(1)
Grease.....		1,641		32,820		187	(1)
Leather.....		107		106,500		187	(1)
Live stock.....		248		124,000		187	(1)
Meat and meat products.....		217		108,500		187	(1)

1 No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL—CON.							
Animals and animal products, except wool and hair—Continued.						Miles.	Cent.
Oysters, in shell	40,857	2,099		\$966,510		107	8
Oyster shells	9,625			9,625		103	5
Oysters, shucked		14,978		4,493,400		104	(1)
Poultry, live and dressed		16,929		8,464,500		159	(1)
Vegetable food products, oil seeds, expressed oils, and beverages			114,137		\$9,834,298		
Agricultural products		23,815		1,428,900		104	(1)
Canned goods		18,109		1,629,810		185	8
Corn	12,032	474		787,878		125	(1)
Flour		468		56,160		119	(1)
Fruit and farm produce	360	27,201		1,378,050		141	7
Grain	680	239		45,950		119	(1)
Grain products		1,562		156,200		126	(1)
Hay and feed		629		25,160		119	(1)
Mill products		451		45,100		94	(1)
Oil, cottonseed		2,269		907,600		187	(1)
Peanuts		3,954		1,581,600		187	(1)
Pears		875		12,512		(1)	(1)
Straw		120		3,000		(1)	(1)
Sugar		428		128,400		187	(1)
Tomatoes		2,871		51,678		(1)	(1)
Wines, liquors, etc.		284		297,600		187	(1)
Wheat	17,316			1,298,700		(1)	(1)
Other vegetable products, except fibers and wood			32,924		26,500,124		
Licorice, manufactures		1,064		212,800		(1)	(1)
Rosin		35		1,750		187	(1)
Seeds		489		195,600		187	(1)
Tar and pitch wood		575		23,187		(1)	(1)
Tobacco, leaf		23,452		18,761,600		119	(1)
Tobacco, manufactures		7,301		7,301,187		187	(1)
Turpentine		8		4,000		187	(1)
Textiles			40,040		43,616,200		
Cotton, raw		7,359		4,415,400		187	(1)
Cotton linters		11		2,200		187	(1)
Dry goods		32,643		39,171,600		187	(1)
Wool		27		27,000		187	(1)
Wood and paper			144,460		2,771,392		
Cordwood	3,483			13,932		(1)	(1)
Furniture		991		198,200		187	(1)
Lumber	122,791			2,455,820		233	1
Piling	17,165			102,990		(1)	(1)
Railroad ties	30			450		(1)	(1)
Nonmetallic minerals			791,947		28,013,565		
Cement		229		3,435		119	(1)
Oil, petroleum	779,650	2,068		27,990,130		187	(1)
Stone, crushed	10,000			20,000		45	(1)
Ores, metals, and manu- factures of, except ma- chinery and vehicles			48,499		240,615		
Bottle caps		10		4,000		187	(1)
Cans, empty		201		20,100		(1)	(1)
Castings and machinery		974		155,840		187	(1)
Drums, empty		106		33,760		64	(1)
Metals, bar and sheet		244		61,000		187	(1)
Pig iron		28		2,240		187	(1)
Rails, iron and steel		36		2,160		187	(1)
Sinters	46,900			16,415		(1)	(1)
Machinery and vehicles			2,146		3,129,300		
Agricultural implements		121		35,300		187	(1)
Automobiles		1,387		2,774,000		144	15
Wagons, carriages, etc.		638		319,000		187	(1)
Chemicals: Fertilizer and materials	28,472	414	28,886	866,580	866,580	109	4
Miscellaneous: General mer- chandise		56,986	56,986	12,821,850	12,821,850	119	(1)
Total	1,089,436	268,731	1,358,167		143,052,859		

¹ No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTERNAL.							
Animals and animal prod- ucts, except wool and hair.			24, 595	\$8, 300, 699		Miles.	Cents.
Boots and shoes.		1		\$3, 000		187	(1)
Fish, fresh.		381		30, 480		187	(1)
Game.		9		4, 500		187	(1)
Grease.		1, 560		31, 200		187	(1)
Leather.		143		214, 500		187	(1)
Live stock.		2, 069		1, 034, 500		187	(1)
Meat and meat prod- ucts.		13, 218		6, 609, 000		187	(1)
Oysters, in shell.	6, 226			140, 085		187	(1)
Oyster shells.	42			42		187	(1)
Oyster shell lime.	491			5, 892		(1)	(1)
Poultry, live and dressed.		455		227, 500		187	(1)
Vegetable food products, oil seeds, expressed oils, and beverages.			88, 232	20, 749, 920			
Canned goods.		26, 308		2, 367, 720		215	10
Flour.		2, 989		358, 680		187	(1)
Fruit and farm produce.		24, 644		1, 232, 200		173	(1)
Grain.		758		37, 900		187	(1)
Grain products.		12, 569		1, 256, 900		166	(1)
Hay and feed.		3, 683		147, 320		156	(1)
Mill products.		674		67, 400		125	(1)
Oil, cottonseed.		2		800		187	(1)
Peanuts.		323		129, 200		187	(1)
Sugar.		4, 874		1, 462, 200		187	(1)
Wines, liquors, etc.		11, 408		13, 689, 600		187	(1)
Other vegetable products, except fibers and wood.			9, 633	6, 248, 590			
Licorice, manufactures.		1, 972		394, 400		187	(1)
Rosin.		3		150		187	(1)
Seeds.		1, 583		633, 200		187	(1)
Tar and pitch wood.		71		2, 840		187	(1)
Tobacco, leaf.		3, 645		2, 916, 000		187	(1)
Tobacco, manufactures.		2, 245		2, 245, 000		187	(1)
Turpentine.		114		57, 000		187	(1)
Textiles.			8, 383	9, 839, 600			
Cotton, raw.		366		219, 600		187	(1)
Dry goods.		8, 015		9, 618, 000		187	(1)
Wool.		2		2, 000		187	(1)
Wood and paper.			29, 988	3, 217, 162			
Cordwood.	902			3, 008		(1)	(1)
Furniture.		15, 336		3, 067, 200		187	(1)
Lumber.	4, 309			86, 180		144	3
Paper and paper prod- ucts.		12		3, 600		187	(1)
Piling.	9, 429			56, 574		(1)	(1)
Nonmetallic minerals.			288, 015	10, 367, 508			
Bricks, building.	63			630		(1)	(1)
Bricks, paving.	13, 296			159, 552		232	(1)
Cement.		4, 358		65, 370		187	(1)
Coal, anthracite.	108, 366			1, 300, 372		106	(1)
Coal, bituminous.	54, 240			488, 160		70	(1)
Oil, coal.		3, 434		122, 592		91	(1)
Oil, lubricating.		233		18, 640		81	(1)
Oil, petroleum.	3, 609	9, 355		453, 740		187	(1)
Oil, gasoline.	80, 512	831		7, 744, 092		74	(1)
Sulphur.		718		14, 360		(1)	(1)
Ores, metals, and manufac- tures of, except machin- ery and vehicles.			25, 169	4, 895, 940			
Bottle caps.		3, 469		1, 347, 600		187	(1)
Cans, empty.		7, 061		706, 100		148	(1)
Castings and machinery.		8, 874		1, 419, 840		119	(1)
Iron and steel manufac- tures.		523		83, 680		186	(1)
Metals, bar and sheet.		5, 180		1, 295, 000		187	(1)
Rails, iron and steel.	62			3, 720		187	(1)

1 No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTERNAL—con.							
Machinery and vehicles.....			6, 235		\$5, 107, 000	Miles.	Cents.
Agricultural implements.....		470		\$141, 000		187	(1)
Automobiles.....		1, 389		2, 778, 000		144	15
Wagons, carriages, etc.....		4, 376		2, 188, 000		187	(1)
Chemicals.....			251, 835		7, 405, 050		
Acid, sulphuric.....	10, 000			150, 000		(1)	(1)
Fertilizer and materials.....	165, 000	76, 835		7, 255, 050		188	2
Miscellaneous.....			220, 071		49, 526, 175		
General merchandise.....		219, 935		49, 485, 375		210	(1)
Packing-house products.....		136		40, 800		187	(1)
Total.....	465, 547	486, 609	952, 156		125, 657, 644		
Total internal receipts and shipments.....	1, 554, 983	755, 340	2, 310, 323		268, 710, 503		
LOCAL.							
Animals and animal prod- ucts, except wool and hair.....			121, 845		171, 876		
Fish, all kinds.....		269		21, 520		4	(1)
Grease.....		400		8, 000		2	(1)
Oysters, in shell.....	480			10, 800		1	Free.
Oyster shells.....	119, 706			119, 706		1	(1)
Oyster shells, crushed.....		15		150		12	(1)
Oyster-shell lime.....	975			11, 700		12	(1)
Vegetable food products, oilseeds, expressed oils, and beverages.....			142, 317		10, 641, 936		
Canned goods.....		56, 313		5, 076, 706		4	Free.
Corn.....	840			52, 920		4	(1)
Flour.....		13, 083		1, 569, 960		4	(1)
Fruit and farm produce.....		60, 893		3, 044, 650		4	(1)
Grain.....	750			37, 500		4	(1)
Peanuts.....		238		95, 200		4	(1)
Wheat.....	10, 200			765, 000		4	(1)
Other vegetable products, except fibers and wood.....			28, 343		17, 395, 700		
Insecticide.....		800		80, 000		12	(1)
Rosin.....		2, 090		104, 500		4	(1)
Seeds.....		7, 902		3, 160, 800		4	(1)
Tobacco, leaf.....		17, 503		14, 002, 400		4	(1)
Tobacco, manufactures.....		48		48, 000		4	(1)
Textiles: Cotton, raw.....		1, 046	1, 046	627, 600	627, 600	4	(1)
Wood and paper.....			7, 247		502, 274		
Cordwood.....	827			3, 308		9	(1)
Lumber.....	1, 119			22, 380		4	10
Piling.....	6			36		4	(1)
Wood pulp.....		5, 295		476, 550		4	(1)
Nonmetallic minerals.....			1, 951, 742		17, 835, 811		
Bricks, building.....	13, 389			133, 890		4	(1)
Cement.....		2, 607		39, 105		9	(1)
Clay and fuller's earth.....		1, 428		71, 400		4	(1)
Coal, bituminous.....	1, 662, 155			14, 959, 395		24	28
Coal, anthracite.....	17, 601			211, 212		4	28
Coke.....	944			14, 160		9	(1)
Oil, coal.....	7, 079	2, 025		325, 012		2	(1)
Oil, fuel.....	10, 500			183, 750		4	(1)
Oil, lubricating.....		8, 686		694, 880		4	(1)
Oil, petroleum.....		5, 408		189, 280		4	(1)
Oil, gasoline.....	818	6, 635		579, 835		4	(1)
Salt.....		60		600		4	(1)
Sand and gravel.....	108, 932			217, 864		4	(1)
Stone, crushed.....	103, 004			206, 008		4	(1)
Sulphur.....	471			9, 420		4	(1)
Ores, metals, and manufac- tures of, except machin- ery and vehicles.....			76, 646		34, 306, 720		
Cans, empty.....		1, 087		108, 700		4	(1)
Copper.....	66, 919			33, 459, 500		4	(1)
Iron and steel manufac- tures.....		691		110, 560		5	(1)
Rails, iron and steel.....	6, 271			376, 260		9	(1)
Tin plate.....		1, 678		251, 700		6	(1)

1 No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
LOCAL—continued.							
Machinery and vehicles:						Miles.	Cents.
Agricultural implements		399	399	\$119,700	\$119,700	4	(1)
Chemicals			737,407		23,769,870		
Acid, sulphuric	79,016			1,185,240		4	(1)
Ammonia, sulphate of	18,205			2,730,750		4	(1)
Chemicals		2,200		1,100,000		12	(1)
Fertilizer and materials	363,116	269,104		17,940,600		4	(1)
Soda and potash		4,666		373,280		4	(1)
Paint		1,100		440,000		4	(1)
Miscellaneous			61,564		14,259,375		
General merchandise	10,050	49,703		13,444,425		4	(1)
Groceries		1,811		814,950		4	(1)
Total	2,603,373	525,183	3,128,556		119,630,862		

1 No statistics available.

Railroad car ferry traffic.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
IMPORTS.			EXPORTS—continued.		
Vegetable food products, oil-seeds, expressed oils, and beverages:			Ores, metals, and manufactures, except machinery and vehicles:		
Bananas.....	22,104	\$530,496	Angles and plates, steel..	2,428	\$388,480
Coconuts.....	57	4,275	Boiler tubes.....	8	6,000
Wood and paper:			Copper.....	273	136,500
Logs.....	127	635	Iron and steel manufactures.....	5,239	838,240
Rags.....	88	3,696	Iron, pig.....	1,200	96,000
Wood pulp.....	3,018	271,620	Pipe, iron.....	2,641	211,280
Nonmetallic minerals:			Scrap, iron and steel.....	2,125	85,000
Brimstone.....	6,661	133,220	Rails and bars, steel.....	28,210	4,616,523
Chalk.....	540	21,600	Tin plate.....	2,555	383,250
Clay.....	739	8,868	Machinery and vehicles:		
Ores, metals, and manufactures, except machinery and vehicles: Ore, manganese.....	974	30,188	Automobiles.....	1,018	2,036,000
Chemicals: Soda, nitrate of.....	5,013	151,290	Car parts.....	539	269,500
	39,351	1,155,888	Machinery.....	1,219	363,700
			Chemicals:		
EXPORTS.			Medicine.....	103	103,000
Animals and animal products, except wool and hair:			Soda ash.....	1,148	57,400
Oil and wax.....	2,115	631,500	Miscellaneous: General merchandise.....	13,725	3,088,125
Provisions.....	416	208,000		37,041	16,377,985
Vegetable food products, oil-seeds, expressed oils, and beverages:			COASTWISE, INBOUND.		
Canned goods.....	2,734	246,060	Animals and animal products, except wool and hair:		
Flour.....	13,728	1,647,360	Oil.....	39	2,438
Other vegetable products, except fibers and wood:			Vegetable food products, oil-seeds, expressed oils, and beverages:		
Extract.....	536	171,520	Peanuts.....	66	26,400
Tobacco.....	662	529,600	Sugar.....	1,811	543,300
Wood and paper: Lumber.....	2,524	201,920	Other vegetable products, except fibers and wood:		
Nonmetallic minerals:			Rosin.....	1,411	243,750
Carbon plugs.....	160	32,000	Textiles: Cotton piece goods.....	28	25,200
Cement.....	1,735	26,025	Nonmetallic minerals: Fuller's earth.....	324	4,374
			Chemicals: Soap.....	185	23,125
				3,864	868,587

Railroad car ferry traffic, 1920—Continued.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
COASTWISE, OUTBOUND.			LOCAL—continued.		
Animals and animal products, except wool and hair:			Nonmetallic minerals—Con.		
Leather.....	88	\$132,000	Oil, gas.....	198	\$3,960
Wood and paper: Lumber.....	64	5,440	Oil, lubricating.....	1,501	120,080
Ores, metals, and manufactures, except machinery and vehicles: Iron and steel manufactures.....	2,909	465,440	Oil, refined.....	252	15,750
Machinery and vehicles: Machinery.....	24	7,200	Ore, pyrites.....	84	840
Chemicals.....	26	13,000	Paint, asphalt.....	105	5,250
Miscellaneous:			Salt.....	123	1,230
Foodstuffs.....	795	198,750	Sand.....	827	1,447
Plumbing supplies, building supplies, and hardware.....	6,062	1,363,950	Sinter, pyrites.....	441	1,764
	9,972	2,185,780	Stone, crushed.....	38	76
			Wax, paraffin.....	272	38,080
LOCAL.			Ores, metals, and manufactures, except machinery and vehicles:		
Animals and animal products, except wool and hair:			Burners, stove.....	30	4,800
Fish scrap.....	412	20,600	Cans, empty.....	529	52,900
Leather.....	75	112,500	Caps, bottle.....	450	180,000
Oil products.....	70,371	21,111,300	Cases, cartridge, empty.....	341	170,500
Oysters, in shell.....	435	9,788	Copper.....	6,460	3,230,000
Oyster shells.....	4,445	4,445	Drums, iron, empty.....	58	18,580
Scrap leather.....	43	17,200	Gun barrels.....	213	53,250
Oyster shells, crushed.....	164	328	Iron, scrap.....	411	16,440
Vegetable food products, oilseeds, expressed oils, and beverages:			Iron, structural.....	266	42,560
Beverages.....	764	30,560	Pipe, sewer.....	39	3,900
Beans, soya.....	36	7,200	Projectiles.....	369	199,500
Canned goods.....	4,203	378,270	Rails, iron.....	72	7,200
Dried pomace.....	85	2,550	Shells, ordnance, empty.....	2,822	1,411,000
Grain and grain products:			Steel.....	22,492	6,185,300
Hay.....	13	330	Steel plates.....	48	13,200
Oats.....	24	1,200	Steel sheets.....	294	80,850
Oil, linseed.....	15	5,355	Tin plate.....	131	19,650
Peaches.....	147	3,675	Hardware and supplies.....	12,377	928,275
Peas, dried.....	24	4,800	Machinery and vehicles:		
Pears.....	25	358	Airplanes and parts.....	22	110,000
Pineapples.....	65	3,250	Automobiles.....	41	82,000
Potatoes.....	839	33,580	Contractor's outfit.....	115	23,000
Other vegetable products, except fibers and wood:			Cranes.....	18	5,400
Tobacco.....	619	495,200	Engines, in parts.....	32	14,500
Textiles:			Fuses.....	583	145,650
Bags, burlap.....	42	1,680	Machinery.....	387	116,100
Burlap.....	33	15,510	Pump, steam.....	20	4,000
Rope, manila.....	12	1,680	Chemicals:		
Wood and paper:			Acid phosphate.....	6,857	34,285
Barrels, oil, empty.....	93	4,960	Ammonia, sulphate.....	2,823	423,450
Baskets, veneer.....	11	1,320	Acid, sulphuric.....	12,620	189,300
Boxes, wooden, empty.....	33	1,320	Bone meal.....	75	2,250
Cork waste.....	279	16,740	Chemicals.....	1,397	698,500
Lumber.....	2,687	347,080	Cyanamid.....	122	3,660
Paper, roofing.....	38	7,600	Fertilizer and materials.....	201,232	6,036,960
Piling.....	86	5,332	Humus, dried.....	496	29,760
Shooks.....	198	7,920	Kainit.....	1,735	31,800
Nonmetallic minerals:			Lime, acetate of.....	22	220
Asbestos fiber.....	30	1,800	Niter cake.....	639	20,170
Asphalt.....	25,653	769,590	Potash, muriate of.....	262	7,860
Bottles.....	17	8,500	Potash, sulphate of.....	290	2,900
Brick, fire.....	726	3,630	Rock, phosphate.....	19,132	286,980
Calcined magnesite.....	44	1,320	Salts, alkali.....	301	6,020
Cement.....	322	4,980	Salts, manure.....	830	24,900
Clay.....	29	348	Soda, hyposulphate of.....	21	1,680
Coal, bituminous.....	19,250	173,250	Soda, nitrate of.....	791	23,730
Coal and coke.....	136,288	1,362,880	Soda, silicate of.....	90	6,750
Land plaster.....	204	6,120	Tankage.....	2,163	64,890
Limestone.....	34,561	691,220	Miscellaneous:		
Loam, dried.....	1,695	15,425	Building, sectional.....	20	10,000
Oil, fuel.....	782	13,685	Household goods.....	364	5,424
Oil, gasoline.....	1,892	162,182	Lime solution.....	57	1,140
			Medical supplies.....	113	169,500
			Paint remover.....	7	2,100
			Shipping containers.....	2,557	333,550
			Stationery.....	22	4,400
			Miscellaneous.....	95,101	21,397,725
			Total.....	711,297	69,133,317
			Total railroad car ferry traffic.....	851,525	89,721,557

Railroad car ferry traffic, 1920—Continued.

SUMMARY.

Classes and commodities.	Foreign.			Domestic.				Total.	
	Imports.		Exports.	Coastwise.		Internal.		Local.	
	Tons.	Value.		Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wood and hair.....	455	\$71,578	41,267	\$14,627,185	9,564	\$27,727,500	122,737	\$23,559,634	\$171,876
Vegetable food products, all kinds, expressed oils, and beverages.....	127,336	6,276,428	1,824,548	154,934,778	42,173	2,283,250	202,369	30,584,218	2,338,743
Other vegetable products, except floors and wood.....	6,316	1,391,438	52,303	36,398,469	18,353	2,893,800	42,557	32,748,714	28,343
Textiles.....	3,753	1,369,493	7,452	5,105,487	1,821	3,604,400	48,423	53,455,800	17,395,700
Wood and paper.....	92,017	10,375,670	59,254	3,526,362	45,600	1,159,012	174,443	3,688,554	627,600
Nonmetallic minerals.....	1,505,844	6,525,237	4,470,209	56,402,033	486,274	5,803,531	1,079,862	38,381,073	592,274
Ore, metals, and manufactures of, except machinery and vehicles.....	1,203,128	25,650,608	146,141	67,969,993	36,339	7,794,155	73,668	5,136,555	17,835,311
Machinery and vehicles.....	225,847	9,500,854	58,548	22,996,257	13	3,900	8,781	8,236,300	34,306,720
Chemicals.....	37,334	8,704,859	7,771	3,746,099	359,140	11,163,765	280,721	8,271,630	1,535,922
Miscellaneous.....			89,570	20,175,733	65,626	15,082,610	277,057	62,348,025	67,341
Total.....	3,202,030	69,884,165	6,757,163	387,870,416	1,067,903	77,480,923	2,310,323	268,710,503	1,610,886
									119,630,862
									1,923,576,869

Includes general ferry traffic, short tons, 2,776; value, \$5,552,000; car ferry traffic, short tons, 851,525; value, \$89,721,557.

Vessel classification, 1920.

Classes.	Foreign.		Domestic and coastwise.		Total.	Draft.	Net registered tonnage.	Freight.	Passengers.
	Entered.	Cleared.	Arrivals.	Departures.					
Foreign:						<i>Feet.</i>		<i>Tons.</i>	
Steamers.....	689	868	394	238	2,189	9-30	5,837,378	9,958,698	282
Sailing vessels...	7	12	4	.....	23	8-25	44,275	(1)	.....
American:									
Steamers.....	494	878	5,365	4,877	11,614	7-30	5,201,251	2,840,769	859,948
Ferries.....	.....	.....	477	477	954	7-8	257,580	2,777	16,565
Power boats.....	.....	.....	1,027	937	1,964	3-15	15,173	51,242	.....
Sailing vessels.....	.....	.....	4,009	3,645	7,654	3-15	209,858	260,331	.....
Barges.....	.....	.....	821	903	1,724	5-25	323,835	659,214	.....
Car ferries.....	.....	.....	1,560	1,420	2,980	5-9	16,820	851,525	.....
Lighters.....	.....	.....	17,143	16,425	33,568	3-9	229,726	2,663,743	.....
Rafts.....	.....	.....	22	13	35	2-5	.....	26,594	.....
Other vessels.....	.....	.....	36	2	38	.....	.....	2,607	.....
Total.....	1,190	1,758	30,858	28,937	62,743	.....	12,135,896	17,317,500	876,895

¹ Included in freight carried by foreign steamers.

Comparison of imports, 1919-20.

	Free.	Dutiable.	Total.
1919.....	\$31,996,290	\$6,904,148	\$38,900,438
1920.....	59,374,187	10,509,978	69,884,165
Increase, 1920.....	27,377,897	3,605,830	30,983,727

Summary of duties collected in 1920.

Amount of duties collected in 1920.....	\$1,867,873
Miscellaneous customs receipts in 1920.....	133,228
Duties on merchandise remaining in bond.....	271,770
Merchandise transported with appraisement.....	2,372
	2,275,243

Vessels built in Baltimore, Md., in 1920.

Classes.	Number.	Tons.	Value.
Steam.....	20	118,615	\$44,030,200
Gasoline.....	18	509	287,400
Sailing.....	6	9,583	2,030,000
Barges.....	8	1,804	69,700
Total.....	52	130,511	46,417,300

The number of vessels documented in the district of Maryland, which includes Baltimore, Crisfield, and Annapolis, Md., and Washington, D. C., is 1,918, with a gross tonnage of 737,208. In addition, it is estimated that there are operated within the district of Maryland boundaries over 8,000 small motor boats.

The sailings of the North German Lloyd Line to Bremen, Germany, and the Hamburg-American Line to Hamburg, Germany, were still suspended, due to the European war.

The following new lines were established during the year:

Acme Operating Co., to Mediterranean ports and Habana.

Cunard Line, to the Levant.

Kerr Line, to Germany and India.

Green Star Line, to the Far East and South America.

Cosmopolitan Line, to French Atlantic ports, Antwerp, and Rotterdam.

Swedish-American-Mexico Line, to Sweden.

Pacific Mail Steamship Co., to Portland, Seattle, and around the world.

American and Indian Line, to India.
 Ellwell Lines, to Mediterranean ports.
 Furness Line, to South Africa, Havre, and London.
 Trans-Oceanic Co., to Japan.
 Baltimore & Jamaica Trading Co., to Jamaica.
 Black Diamond Line, to Rotterdam and Antwerp.
 International Maritime Corporation, to Scandinavian ports.
 W. R. Grace & Co., to South America.
 Atlantic Gulf & Pacific Steamship Corporation, to Pacific coast, United States.
 Star Shipping Co., to Spain.
 Ocean Transportation Co., to Spain.
 American-Mediterranean-Levant Line, to the Levant.
 Isthmian Lines, to Pacific coast, United States and South America.
 F. Waterhouse & Co., to Far East.
 French Line, to French Atlantic ports and Germany.
 Baltimore Steamship Co., to Cuba, North and South ports, and Habana.
 United American Lines, to Germany.
 Toyo Kisen Kaisha Line, to Japan.
 Dollar Line, to Pacific coast, United States.
 Congress Lines, to Mexico.
 Williams Steamship Co., to Pacific coast, United States.
 Pacific Steam Navigation Co., to South America.

Lines suspended during the year:
 Acme Operating Co., to Mediterranean ports, Habana, Antwerp, and French Atlantic ports.
 Cosmopolitan Line, to French Atlantic ports, Antwerp, and Rotterdam.
 Pacific Mail Steamship Co., to Portland, Seattle, and around the world.
 Pacific Steam Navigation Co., to South America.
 Baltimore & Jamaica Trading Co., to Jamaica.
 Furness Line, to Havre, South Africa, and London.
 Star Shipping Co., to Spain.
 Trans-Oceanic Co., to Japan.
 Ocean Transportation Co., to Spain.
 American-Mediterranean-Levant, to the Levant.
 Isthmian Lines, to Pacific coast, United States, and South America.
 F. Waterhouse & Co., to Far East.
 Toyo Kisen Kaisha, to Japan.
 Dollar Line, to Pacific coast, United States.
 Cunard Line, to Bristol.
 Merchants & Miners' Transportation Co., to Bremen.

Summary of general cargo services to and from Baltimore.

Lines existing January 1, 1920.....	29
Lines started in 1920.....	41
Lines stopped in 1920.....	24
Total lines operating December 31, 1920.....	46
Number of companies operating lines.....	34

SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.....	246,317	(1)	(1)	1911.....	352,335	\$2,864,683	100,000
1890.....	143,506	(1)	(1)	1912.....	87,762	994,322	31,554
1891.....	116,601	(1)	(1)	1913.....	156,299	1,098,731	32,238
1892.....	541,584	\$2,219,474	(1)	1914.....	225,513	725,791	28,932
1893.....	759,642	3,027,357	(1)	1915.....	200,990	1,944,005	28,000
1903.....	143,212	(1)	(1)	1916.....	124,821	1,756,562	26,800
1905.....	135,293	627,022	(1)	1917.....	13,053	1,317,901	26,400
1906.....	73,815	542,200	(1)	1918.....	40,141	2,020,568	25,000
1907.....	85,212	801,420	(1)	1919.....	82,466	2,910,542	24,000
1908.....	37,927	473,933	(1)	1920.....	136,250	3,477,773	15,700
1910.....	192,675	418,362	50,000				

1 No statistics available

[Navigation season, Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, UPBOUND.							
Animals and animal products, except wool and hair.			494		\$19,783	Miles.	Cents.
Fish, fresh.	493			\$19,720		3	(1)
Oils, all kinds.		1		63		4	(1)
Vegetable food products, oilseeds, expressed oils, and beverages: Potatoes.		2	2	80	80	4	(1)
Wood and paper: Lumber.	4		4	80	80	4	(1)
Miscellaneous.			1,002		225,100		
Building material.	2			100		4	(1)
General merchandise.		1,000		225,000		3	(1)
Total.	499	1,003	1,502		245,043		
INTERNAL, DOWNBOUND.							
Wood and paper: Lumber.	400		400	8,000	8,000	3	(1)
Nonmetallic minerals: Stone, crushed.	60,000		60,000	120,000	120,000	5	(1)
Total.	60,400		60,400		128,000		
Total internal up-bound and down-bound.	60,899	1,003	61,902		373,043		
RECEIPTS, COASTWISE.							
Vegetable food products, oilseeds, expressed oils, and beverages.			42		1,840		
Flour.		2		240		50	(1)
Hay and feed.		40		1,600		50	(1)
Wood and paper: Lumber.	30		30	600	600	50	(1)
Nonmetallic minerals.			20,094		35,947		
Coal, anthracite.	7			84		50	(1)
Coal, bituminous.	7			63		50	(1)
Salt.		80		800		50	(1)
Sand.	20,000			35,000		10	(1)
Ores, metals and manufactures of, except machinery and vehicles: Stoves and furnaces.		6	6	1,440	1,440	50	7.2
Chemicals: Fertilizers.		125	125	5,000	5,000	50	(1)
Miscellaneous.			8,669		1,950,750		
General merchandise.		8,668		1,950,300		50	(2)
Groceries.		1		450		50	(1)
Total.	20,044	8,922	28,966		1,995,577		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair: Fish, salted.		325	325	26,000	26,000	150	.2
Vegetable food products, oilseeds, expressed oils, and beverages.			194		14,278		
Corn.	6			378		50	(2)
Oats.	8			400		50	(2)
Wheat.	180			13,500		50	(2)
Nonmetallic minerals.			40,500		86,750		
Stone, crushed.	40,000			80,000		84	(2)
Lime and cement.		500		6,750		8	(1)
Ores, metals and manufactures, except machinery and vehicles: Stoves and furnaces.		30	30	7,200	7,200	50	7.2
Miscellaneous: General merchandise.		4,333	4,333	974,925	974,925	50	(2)
Total.	40,194	5,188	45,382		1,109,153		
Total receipts and shipments coastwise.	60,238	14,110	74,348		3,104,730		

¹ Carried by owner.² Unobtainable.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.					
	Internal.		Coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	494	\$19,783	325	\$26,000	819	\$45,783
Vegetable food products, oilseeds, expressed oils, and beverages.....	2	80	236	16,118	238	16,198
Wood and paper.....	404	8,080	30	600	434	8,680
Nonmetallic minerals.....	60,000	120,000	60,594	122,697	120,594	242,697
Ores, metals, and manufactures, except machinery and vehicles.....			36	8,640	36	8,640
Chemicals.....			125	5,000	125	5,000
Miscellaneous.....	1,002	225,100	13,002	2,925,675	14,004	3,150,775
Total.....	61,902	373,043	74,348	3,104,730	136,250	3,477,773

This is an increased tonnage of 53,784 tons over that reported for 1919. due to the increase in shipments of fish, sand, and crushed stone.

Vessel classification.

Classes.	Ameri- can.	Draft.	Arrivals and depar- tures.	Net regis- tered tonnage.	Freight carried.	Passen- gers.
Registered:		<i>Feet.</i>			<i>Short tons.</i>	
Steamers and tugs.....	13	4-8	327	1,430	13,000	15,700
Power boats.....	5	3-5	50	220	4,000	
Sailing vessels.....	27	2-5	210	1,260	19,320	
Barges.....	4	3-7	4	860	1,200	
Lighters.....	12	2-7	1,006	1,800	98,730	
Unregistered, launches.....	150					
Total.....	111		1,597	5,570	136,250	15,700

¹ Approximated; these are used for fishing and pleasure.

ELK AND LITTLE ELK RIVERS, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1901.....	20,437	\$115,342	(1)	1912.....	43,352	\$158,066	4,000
1902.....	17,389	116,610	(1)	1913.....	48,406	182,282	(1)
1903.....	10,352	(1)	(1)	1914.....	44,111	164,882	(1)
1904.....	2,686	35,769	(1)	1915.....	44,933	168,376	(1)
1905.....	20,446	275,214	(1)	1916.....	42,385	202,264	4,000
1906.....	15,179	198,605	(1)	1917.....	44,208	251,672	(1)
1907.....	30,357	230,057	(1)	1918.....	44,464	315,309	(1)
1908.....	42,880	258,847	(1)	1919.....	42,301	307,064	(1)
1910.....	55,718	346,733	(1)	1920 ¹	49,316	598,487	(1)
1911.....	46,823	182,568	2,000				

¹ No statistics available.

² Exclusive of 10,000 tons cargoes in transit: value, \$20,000.

[Navigation season, Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, INTERNAL AND COAST- WISE.						
Textiles: Cotton yarn.....		350	350	\$210,000	\$210,000	Miles.
Wood and paper: Pulp wood.....	48,966		48,966	379,487	379,487	(1) 50
Total.....	48,966	350	49,316		589,487	

¹ Unobtainable.*Cargoes in transit.*

Commodities.	Amount in short tons.	Value.
Nonmetallic minerals: Stone, crushed.....	10,000	\$20,000

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Textiles.....	350	\$210,000
Wood and paper.....	48,966	379,487
Total.....	49,316	589,487

Cargoes in transit, tons, 10,000; value, \$20,000.

This is an increased tonnage of 17,015 over that reported for 1919.

Vessel classification.

Classes.	American.	Draft.	Arrivals and de- partures.	Net regis- tered tonnage.	Freight carried.
Registered:		<i>Feet.</i>			<i>Short tons.</i>
Tugs.....	18	6-7	198	1,674	
Sailing vessels.....	16	3-6	16	768	1,500
Barges.....	40	4-7	83	8,600	47,816
Lighters.....	7	2-7	33	1,050	10,000
Unregistered, launches ¹					
Total.....	81		330	12,092	59,316

¹ During the summer months a number of small motor boats are used for pleasure purposes.

CHESTER RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894.....	30,490	\$1,021,800	(1)	1909.....	54,618	\$4,121,412	(1)
1895.....	4,847	117,613	(1)	1910.....	54,616	4,122,956	14,466
1896.....	36,113	1,152,101	(1)	1911.....	68,709	4,256,820	14,502
1897.....	53,480	(1)	(1)	1912.....	68,772	4,282,230	14,647
1898.....	79,201	3,063,985	(1)	1913.....	63,558	4,288,665	14,720
1901.....	41,733	(1)	(1)	1914.....	26,107	352,274	770
1902.....	47,512	1,859,299	(1)	1915.....	40,932	983,960	8,195
1904.....	48,463	1,896,485	(1)	1916.....	46,588	1,691,741	6,641
1905.....	49,168	2,336,458	(1)	1917.....	48,195	2,221,336	5,012
1906.....	48,199	2,754,970	(1)	1918.....	35,534	1,952,327	3,122
1907.....	49,162	3,561,122	(1)	1919.....	28,582	2,009,945	2,719
1908.....	54,078	3,917,210	(1)	1920 ¹	34,291	2,271,774	2,382

¹ No statistics available.² Exclusive of 3,227 tons, cargoes in transit; value, \$88,101.

[Navigation season, Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
UPBOUND, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....	20		20	\$1,600	\$1,600	Miles. 15	Cents. (1)
Vegetable food products, oilseeds, expressed oils, and beverages.....			1,833		38,594		
Fruit and farm produce.....	175			8,750		15	(1)
Tomatoes.....		1,658		29,844		15	(1)
Nonmetallic minerals: Coal, anthracite.....	3		3	36	36	8	(1)
Total.....	198	1,658	1,856		40,230		
DOWN BOUND, INTERNAL.							
Wood and paper: Lumber.....	50		50	1,000	1,000	15	8
Chemicals: Fertilizer and materials.....	350		350	14,000	14,000	20	6
Total.....	400		400		15,000		
Total internal up bound and down bound.....	598	1,658	2,256		55,230		
RECEIPTS, COASTWISE.							
Vegetable food products, oilseeds, expressed oils, and beverages.....			293		29,300		
Grain products.....		288		28,800		52	(1)
Soft drinks.....		5		500		52	(1)
Wood and paper: Lumber.....	872		872	17,440	17,440	101	2
Nonmetallic minerals.....			1,140		8,398		
Coal, anthracite.....	112			1,344		52	(1)
Coal, bituminous.....	358			3,222		56	(1)
Oil, coal.....		67		2,392		52	(1)
Oil, lubricating.....		3		240		52	(1)
Stone, crushed.....	600			1,200		70	(1)
Ores, metals, and manufactures of, except machinery and vehicles: Cans, empty.....		1,000	1,000	100,000	100,000	60	(1)
Chemicals: Fertilizer and materials.....	4,610	8,511	13,121	524,840	524,840	56	4
Miscellaneous: General merchandise.....		2,440	2,440	549,000	549,000	52	(1)
Total.....	6,552	12,314	18,866		1,228,978		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.			495		\$141,595	Miles.	Cents.
Fish and oysters.		236		\$12,095		52	(1)
Poultry and live stock.		259		129,500		52	(1)
Vegetable food products, oilseeds, expressed oils, and beverages.			12,277		801,456		
Agricultural products.		402		24,120		52	(1)
Canned goods.		3,576		308,340		56	(1)
Corn.	2,151			129,213		61	6
Fruit and farm produce.	250			12,500		65	(1)
Pears.		88		1,258		65	(1)
Tomatoes.		1,925		34,650		61	(1)
Wheat.	3,885			291,375		58	6
Wood and paper.			142		5,640		
Baskets, empty.		4		120		45	3
Crates, empty.		138		5,520		45	3
Chemicals: Fertilizer and materials.		100	100	4,000	4,000	55	4
Miscellaneous: General merchandise.		155	155	34,875	34,875	52	(1)
Total.	6,296	6,883	13,169		987,566		
Total receipts and shipments, coastwise.	12,838	19,197	32,035		2,216,544		

¹ No statistics available.

² Carried by owner.

Cargoes in transit.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Vegetable food products, oilseeds, expressed oils, and beverages:			Wood and paper—Contd.		
Pears.	263	\$3,761	Shingles.	90	\$2,160
Potatoes.	2	80	Truck baskets.	900	27,000
Tomatoes.	583	10,494	Nonmetallic minerals:		
Wheat.	150	11,250	Bricks.	75	750
Wood and paper:			Oil, gasoline.	1	86
Lumber.	700	14,000	Chemicals: Fertilizer and materials.	450	18,000
Laths.	13	520	Total.	3,227	88,101

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Internal.		Coastwise.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	20	\$1,600	495	\$141,595	515	\$143,195
Vegetable food products, oilseeds, expressed oils, and beverages.....	1,833	38,594	12,570	830,756	14,403	869,350
Wood and paper.....	50	1,000	1,014	23,080	1,064	24,080
Nonmetallic minerals.....	3	36	1,140	8,398	1,143	8,434
Ores, metals, and manufactures of, except machinery and vehicles.....			1,000	100,000	1,000	100,000
Chemicals.....	350	14,000	13,221	528,840	13,571	542,840
Miscellaneous.....			2,595	583,875	2,595	583,875
Total.....	2,256	55,230	32,035	2,216,544	34,291	2,271,774

Cargoes in transit: Tons, 3,227; value, \$88,101.

This is an increased tonnage of 8,936 over that reported for 1919.

Vessel classification, 1920.

Classes.	Amer- ican.	Draft.	Arrivals and depart- ures.	Net regis- tered tonnage.	Freight carried.	Passen- gers.
Registered:		<i>Feet.</i>			<i>Short tons.</i>	
Teamers and tugs.....	4	5-8	120	793	4,161	2,382
Tow boats.....	19	3-6	169	829	9,155	
Sailing vessels.....	98	2-9	222	4,715	23,109	
Barges.....	1	7-9	1	460	600	
Lighters.....	2	4-6	2	600	470	
Unregistered: Launches ¹						
Total.....	124		514	7,397	37,518	2,382

¹ A large number of small motor and sailing boats are used for oystering and fishing.

CORSICA RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers. ¹	Year.	Tons.	Value.	Passengers. ¹
1912.....	38,551	\$813,649		1917.....	30,625	\$1,430,650	
1913.....	50,746	786,900		1918.....	23,338	1,066,680	
1914.....	43,999	734,200		1919.....	21,670	1,280,328	
1915.....	44,300	642,600		1920.....	14,243	526,132	
1916.....	54,302	1,470,954					

¹ No statistics available.

[Navigation season, Mar. 1, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oyster shells.....	2,100	.....	2,100	\$2,100	\$2,100	Miles. 50	Cents. 3
Wood and paper.....			380		9,600		
Lumber.....	180			3,600		50	2
Baskets, empty.....		200		6,000		50	4
Nonmetallic minerals.....			1,963		18,812		
Bricks, building.....	225			2,250		50	2
Cement.....		40		2,600		50	4
Coal, anthracite.....	224			2,688		50	3
Coal, bituminous.....	1,456			13,094		50	3
Salt.....		18		180		50	4
Ores, metals, and manufactures of, except machinery and vehicles: Cans, empty.....		100	100	10,000	10,000	50	2
Chemicals: Fertilizer and materials.....	3,000	463	3,463	138,520	138,520	50	4
Total.....	7,185	821	8,006		179,032		
SHIPMENTS, COASTWISE.							
Vegetable food products, oil-seeds, expressed oils, and beverages.....			6,237		347,100		
Canned goods.....		670		60,300		50	2
Corn.....	2,100			132,300		50	6
Potatoes.....	300			12,000		50	7
Tomatoes.....		1,667		30,000		50	7
Wheat.....	1,500			112,500		50	6
Total.....	3,900	2,337	6,237		347,100		
Total receipts and shipments, coastwise.....	11,085	3,158	14,243		526,132		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair	2,100	\$2,100
Vegetable food products, oilseeds, expressed oils, and beverages	6,237	347,100
Wood and paper	380	9,600
Nonmetallic minerals	1,963	18,812
Ores, metals, and manufactures, except machinery and vehicles	100	10,000
Chemicals	3,463	138,520
Total	14,243	526,132

This is a decreased tonnage of 7,427 under that reported for 1919, due principally to a falling off in the shipments of canned goods, coal, oysters, oyster shells, and agricultural products.

Vessel classification.

Classes.	American.	Draft.	Arrivals and departures.	Net registered tonnage.	Freight carried.
		<i>Feet.</i>			<i>Short tons.</i>
Registered sailing vessels	7	4-7	97	447	14,243
Unregistered launches ¹					
Total	7		97	447	14,243

¹ A number of small motor boats are used for fishing and pleasure.

QUEENSTOWN HARBOR, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1897	45,398	(1)	(1)	1910	22,439	\$1,228,032	2,531
1898	25,845	(1)	(1)	1911	28,142	1,389,460	2,537
1900	12,373	\$730,538	(1)	1912	28,891	1,306,018	2,562
1901	11,328	635,873	(1)	1913	28,335	1,307,806	2,579
1902	18,769	(1)	(1)	1914	21,737	1,067,935	9,259
1903	3,889	(1)	(1)	1915	18,670	323,907	1,017
1904	19,144	(1)	(1)	1916	14,051	346,250	731
1905	19,421	607,424	(1)	1917	10,690	388,417	576
1906	19,806	835,872	(1)	1918	11,383	734,409	481
1907	20,202	1,063,540	(1)	1919	4,374	353,540	431
1908	22,220	1,169,716	(1)	1920	710	133,374	406

¹ No statistics available.

[Navigation season, Mar. 1, 1920 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average hauls.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, COASTWISE.						
Vegetable food products, oilseeds, expressed oils, and beverages:						<i>Miles.</i>
Grain products.....		68	68	\$6,800	\$6,800	35
Wood and paper: Lumber.....	11		11	220	220	35
Nonmetallic minerals: Coal, an- thracite.....	17		17	204	204	35
Chemicals: Fertilizer and materials.....		45	45	1,800	1,800	35
Miscellaneous: General merchan- dise.....		196	196	44,100	44,100	35
Total.....	28	309	337		53,124	
SHIPMENTS, COASTWISE.						
Animals and animal products, except wool and hair.....			185		63,780	
Fish and oysters.....		64		3,280		35
Poultry and live stock.....		121		60,500		35
Vegetable food products, oilseeds, expressed oils, and beverages.....			162		10,620	
Agricultural products.....		132		7,920		35
Canned goods.....		30		2,700		35
Miscellaneous: General merchan- dise.....		26	26	5,850	5,850	35
Total.....		373	373		80,250	
Total receipts and ship- ments, coastwise.....	28	682	710		133,374	

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	185	\$63,780
Vegetable food products, oilseeds, expressed oils, and beverages.....	230	17,420
Wood and paper.....	11	220
Nonmetallic minerals.....	17	204
Chemicals.....	45	1,800
Miscellaneous.....	222	49,960
Total.....	710	133,374

This is a decreased tonnage of 3,664 under that reported for 1919, due to the diversion of shipments of grain, farm produce, general merchandise, etc. to the railroad.

Vessel classification.

Classes.	American.	Draft.	Arrivals and departures.	Net registered tonnage.	Freight carried.	Passengers.
Registered, steamer.....	1	<i>Fect.</i> 5-6	117	318	<i>Short tons.</i> 710	406
Unregistered, launches.....						
Total.....	1		117	318	710	406

¹ A number of small motor boats are used for fishing and oystering.

CLAIBORNE HARBOR, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1899.....	53,480	(1)	(1)	1911.....	105,511	\$8,966,291	89,096
1902.....	85,460	(1)	(1)	1912.....	108,278	9,067,619	97,887
1903.....	86,613	(1)	(1)	1913.....	107,564	9,075,385	112,034
1904.....	90,435	(1)	(1)	1914.....	25,726	1,909,839	115,735
1905.....	93,603	\$3,462,937	(1)	1915.....	21,300	1,502,780	84,139
1906.....	91,957	3,461,714	(1)	1916.....	20,827	1,985,099	75,249
1907.....	93,794	7,250,456	(1)	1917.....	21,004	2,322,200	82,020
1908.....	103,173	7,975,500	(1)	1918.....	16,153	1,737,594	90,232
1909.....	104,201	8,855,248	(1)	1919.....	15,846	2,835,780	77,919
1910.....	105,249	8,943,932	88,874	1920.....	18,855	2,954,663	68,787

¹ No statistics available.

[Navigation season, Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, COASTWISE.						
Animals and animal products, ex- cept wool and hair: Oyster shells	40		40	\$40	\$40	Miles. 30
Vegetable food products, oilseeds, expressed oils, and beverages:						
Grain products.....		1,284	1,284	128,400	128,400	44
Wood and paper: Lumber.....	176		176	3,520	3,520	44
Nonmetallic minerals.....			4,249		10,988	44
Coal, anthracite.....	249			2,988		44
Stone, crushed.....	4,000			8,000		65
Chemicals: Fertilizer and materials		1,075	1,075	43,000	43,000	44
Miscellaneous: General merchan- dise.....		8,705	8,705	1,958,625	1,958,625	44
Total.....	4,465	11,064	15,529		2,144,573	
SHIPMENTS, COASTWISE.						
Animals and animal products, ex- cept wool and hair.....			1,720		661,980	
Fish, fresh.....		171		13,680		44
Oysters, shucked.....		641		194,300		44
Poultry and live stock.....		908		454,000		44
Vegetable food products, oilseeds, expressed oils, and beverages:			1,396		100,860	
Agricultural products.....		826		49,560		44
Canned goods.....		570		51,300		44
Miscellaneous: General merchan- dise.....		210	210	47,250	47,250	44
Total.....		3,326	3,326		810,090	
Total receipts and ship- ments, coastwise.....	4,465	14,390	18,855		2,954,663	

¹ No statistics available.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	1,760	\$662,020
Vegetable food products, oilseeds, expressed oils, and beverages.....	2,680	229,260
Wood and paper.....	176	3,520
Nonmetallic minerals.....	4,249	10,988
Chemicals.....	1,075	43,000
Miscellaneous.....	8,915	2,006,875
Total.....	18,855	2,954,663

This is an increased tonnage of 3,009 over that reported for 1919.

Vessel classification.

Classes.	Amer- ican.	Draft.	Arrivals and depar- tures.	Net regis- tered tonnage.	Freight carried.	Passen- gers.
		<i>Feet.</i>			<i>Short tons.</i>	
Registered:						
Steamers and tugs.....	5	6-9	740	1,491	14,787	68,787
Sailing vessels.....	21	3-5	21	735	1,068	
Lighters.....	5	5-8	10	875	3,000	
Unregistered, launches ¹						
Total.....	31		771	3,101	18,855	68,787

¹ There are a number of small gasoline launches used for pleasure purposes.

TILGHMAN ISLAND HARBOR, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	26,201	\$767,762	6,000	1917.....	16,710	\$673,768	3,419
1913.....	25,185	988,434	6,030	1918.....	20,493	631,770	3,140
1914.....	20,333	554,937	5,019	1919.....	15,854	871,875	3,443
1915.....	19,546	499,820	4,480	1920.....	16,721	845,974	3,015
1916.....	19,918	653,765	3,993				

[Navigation season, Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Crabs, hard.....		274	274	\$21,920	\$21,920	Miles. 20	Cents. 33
Vegetable food products, oil seeds, expressed oils, and beverages.....			938		31,346		
Corn.....		2		126		23	(1)
Grain products.....		140		14,000		60	(1)
Hay.....		20		600		60	(1)
Flour.....		26		3,120		25	(1)
Tomatoes.....		750		13,500		30	9
Wood and paper.....			415		2,012		
Cordwood.....	393			1,572		48	5
Lumber.....	22			440		60	16
Nonmetallic minerals.....			1,484		13,819		
Coal, anthracite.....	630			5,670		65	2
Coal, bituminous.....	291			2,519		60	2
Salt.....		563		5,630		65	3
Ores, metals, and manufactures of, except machinery and vehicles: Cans, empty.....		270	270	27,000	27,000	60	3
Chemicals: Fertilizer and materials.....		160	160	6,400	6,400	60	2
Miscellaneous.....			1,143		198,425		
General merchandise.....		763		178,425		60	(1)
Ice.....	350			21,000		14	14
Total.....	1,686	2,098	4,684		301,922		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.....			4,149		218,000		
Fish, fresh.....		187		14,960		60	(1)
Fish, salt.....		291		23,280		178	2
Fish, scrap.....		100		2,500		15	20
Oysters, in shell.....	80			1,800		60	(1)
Oyster shells.....	3,050			3,050		51	4
Oysters, shucked.....		640		72,000		60	(1)
Poultry and live stock.....		201		100,500		60	(1)
Vegetable food products, oil seeds, expressed oils, and beverages.....			2,026		168,585		
Agricultural products.....		316		18,960		60	(1)
Canned goods.....		1,425		128,260		60	3
Wheat.....	285			21,375		60	4
Miscellaneous: General merchandise.....		37	37	8,325	8,325	60	(1)
Total.....	3,415	2,797	6,212		395,000		
Total receipts and shipments, coastwise.....	5,101	5,795	10,870		696,922		
LOCAL.							
Animals and animal products, except wool and hair.....			5,825		149,052		
Crabs, hard.....		409		3,272		10	(9)
Fish, fresh.....	416			33,280		10	(9)
Oysters, in shell.....	5,000			112,500		10	(9)
Total.....	5,416	409	5,825		149,052		

¹ No statistics available.² Carried by owner.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.					
	Local.		Coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	5,825	\$149,052	4,423	\$240,010	10,248	\$389,062
Vegetable food products, oil seeds, expressed oils, and beverages.....			2,964	199,931	2,964	199,931
Wood and paper.....			415	2,012	415	2,012
Nonmetallic minerals.....			1,484	13,819	1,484	13,819
Ores, metals, and manufactures of, except machinery and vehicles.....			270	27,000	270	27,000
Chemicals.....			160	6,400	160	6,400
Miscellaneous.....			1,180	207,750	1,180	207,750
Total.....	5,825	149,052	10,996	696,922	16,721	845,974

This is an increased tonnage of 867 tons over that reported for 1919.

Vessel classification.

Classes.	American.	Draft.	Arrivals and departures.	Net registered tonnage.	Freight carried.	Passengers.
Registered:		<i>Feet.</i>			<i>Short tons.</i>	
Steamers.....	3	7-8	224	1,542	2,150	3,015
Power boats.....	2	3-5	135	29	4,066	
Sailing vessels.....	56	3-7	124	2,379	8,799	
Unregistered: Launches ¹					1,106	
Total.....	61		583	3,950	16,721	3,015

¹ A large number of small motor boats are engaged in fishing and oystering.

TRED AVON RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	36,532	\$1,160,540	12,500	1917.....	26,072	\$1,155,275	9,611
1913.....	28,884	1,140,880	12,563	1918.....	19,295	1,067,905	6,176
1914.....	13,375	765,564	10,492	1919.....	20,477	2,165,478	9,175
1915.....	25,472	936,060	11,647	1920.....	23,826	2,137,572	7,309
1916.....	27,938	956,610	10,194				

[Navigation season, Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
UPBOUND, INTERNAL.							
Animals and animal products, except wool and hair.			3,499		\$83,552	Miles.	Cents.
Crabs, hard.		85		\$6,800		10	(1)
Oysters, in shell.	3,409			76,702		10	(1)
Oyster shells, crushed.		5		50		10	(1)
Vegetable food products, oilseeds, expressed oils, and beverages: Tomatoes.		361	361	6,498	6,498	6	50
Miscellaneous.			102		612		
Ice.	102			612		2	75
Total.	3,511	451	3,962		90,662		
DOWNBOUND, INTERNAL.							
Nonmetallic minerals:							
Lime, agricultural.	100	50	150	1,908	1,908	10	10
Chemicals: Fertilizer and materials.		49	49	1,960	1,960	10	10
Total.	100	108	208		3,868		
Total upbound and downbound, internal.	3,611	559	4,170		94,530		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.			70		5,600		
Crabs, hard.		19		1,520		15	30
Fish, fresh.	51			4,080		30	7
Vegetable food products, oilseeds, expressed oils, and beverages.			588		41,140		
Canned goods.		1		90		10	20
Grain products.		346		34,600		74	(1)
Hay.		176		5,280		74	(1)
Tomatoes.		65		1,170		15	20
Wood and paper: Lumber.	114		114	2,280	2,280	74	(1)
Nonmetallic minerals.			1,439		21,165		
Cement.		180		2,700		80	(1)
Coal, anthracite.	306			3,672		70	2
Coal, bituminous.	645			5,805		75	2
Gravel.	25			38		70	3
Lime, agricultural.		190		2,280		48	10
Oil, lubricating.		82		6,560		74	(1)
Salt.	11			110		70	4
Ores, metals, and manufactures of, except machinery and vehicles.			121		13,000		
Cans, empty.		106		10,600		70	3
Iron and steel manufactures.		15		2,400		70	5
Chemicals: Fertilizer and materials.	1,802	134	1,936	77,440	77,440	49	13
Miscellaneous: General merchandise.		3,502	3,502	787,950	787,950	74	(1)
Total.	2,954	4,816	7,770		948,575		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.			2,503		410,260		
Fish, fresh.		214		17,120		70	(1)
Oysters, in shell.	160			3,600		70	(1)
Oysters, shucked.		275		82,500		70	(1)
Oyster shells.	720			720		150	(1)
Oyster shells, crushed.		532		5,320		70	2
Poultry and live stock.		602		301,000		74	(1)

1 No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS COASTWISE—CON.							
Vegetable food products, oil- seeds, expressed oils, and beverages.			8,733		\$655,137	Miles.	Cents.
Agricultural products.		384		\$23,040		74	(1)
Canned goods.		216		19,440		74	(1)
Corn.	14			882		85	(1)
Mill products.		114		11,400		74	(1)
Wheat.	8,005			600,375		110	5
Wood and paper: Boxes, empty.		4	4	160	160	70	7
Nonmetallic minerals:							
Lime, agricultural.	25	35	60	720	720	15	10
Chemicals: Fertilizer and materials.		146	146	5,840	5,840	68	15
Miscellaneous.			440		22,350		
Ice.	350			2,100		14	14
General merchandise.		90		20,250		74	(1)
Total.	9,274	2,612	11,886		1,094,467		
Total receipts and shipments, coast- wise.	12,288	7,428	19,656		2,043,042		

SUMMARY.

Classes of commodities.	Domestic.					
	Internal.		Coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products except wool and hair.	3,499	\$83,552	2,573	\$415,860	6,072	\$499,412
Vegetable food products, oilseeds, expressed oils, and beverages.	361	6,498	9,321	696,277	9,682	702,775
Wood and paper.			118	2,440	118	2,440
Nonmetallic minerals.	159	1,908	1,499	21,885	1,658	23,793
Ores, metals, and manufactures of, except machinery and vehicles.			121	13,000	121	13,000
Chemicals.	49	1,960	2,082	83,280	2,131	85,240
Miscellaneous.	102	612	3,942	810,300	4,044	810,912
Total.	4,170	94,530	19,656	2,043,042	23,826	2,137,572

¹ No statistics available.

This is an increased tonnage of 3,349 tons over that reported for 1919.

Vessel classification.

Classes.	American.	Draft.	Arrivals and departures.	Net registered tonnage.	Freight carried.	Passengers.
Registered:						
Steamers and tugs.	6	<i>Fect.</i> 5-8	227	1,725	6,327	7,300
Power boats.	6	3-5	49	154	891	
Sailing vessels.	52	3-7	183	3,040	14,495	
Lighters.	3	4-7	3	450	451	
Unregistered launches ¹ .					1,062	
Total.	67		462	5,369	23,826	7,300

¹ A number of small sail and motor boats are used for fishing, oystering, and pleasure.

LA TRAPPE RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894.....	20, 828	\$704, 950	(1)	1909.....	15, 394	\$1, 045, 114	(1)
1895.....	20, 828	704, 950	(1)	1910.....	15, 549	1, 055, 966	898
1897.....	13, 958	431, 619	(1)	1911.....	18, 530	1, 115, 099	900
1898.....	7, 411	196, 430	(1)	1912.....	18, 368	1, 074, 680	910
1899.....	12, 593	266, 950	(1)	1913.....	19, 986	1, 141, 808	915
1900.....	8, 089	267, 755	(1)	1914.....	8, 356	371, 242	973
1902.....	11, 241	294, 530	(1)	1915.....	6, 949	340, 750	761
1903.....	11, 466	300, 422	(1)	1916.....	6, 478	379, 160	524
1904.....	13, 601	303, 426	(1)	1917.....	5, 829	297, 362	431
1905.....	13, 848	480, 437	(1)	1918.....	6, 162	362, 685	(1)
1906.....	13, 548	523, 681	(1)	1919.....	6, 282	433, 150	(1)
1907.....	13, 859	875, 218	(1)	1920.....	6, 955	359, 518	(1)
1908.....	15, 244	962, 646	(1)				

¹ No statistics available.

[Navigation seasons: Mar. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oyster shells.....	600	.....	600	\$600	\$600	Miles. 12	Cents. 6
Nonmetallic minerals.....	.....	.....	1, 024	.....	11, 112	.....	.....
Coal, anthracite.....	627	.....	.....	7, 524	.....	75	3
Coal, bituminous.....	392	.....	.....	3, 528	.....	75	3
Lime.....	.....	5	.....	60	.....	75	(1)
Ores, metals, and manufactures of, except machinery and vehicles: Cans, empty.....	.....	1, 490	1, 490	149, 000	149, 000	75	4
Chemicals: Fertilizer and materials.....	505	250	755	3, 200	3, 200	75	3
Total.....	2, 124	1, 745	3, 869	.....	163, 912	.....	.....
SHIPMENTS, COASTWISE.							
Vegetable food products, oilseeds, expressed oils, and beverages.....	.....	.....	2, 886	.....	192, 006	.....	.....
Canned goods.....	.....	50	.....	4, 500	.....	75	8
Corn.....	912	.....	.....	57, 078	.....	75	5
Tomatoes.....	.....	250	.....	4, 500	.....	10	30
Wheat.....	1, 674	.....	.....	125, 550	.....	75	5
Total.....	2, 586	300	2, 886	.....	192, 006	.....	.....
Total receipts and shipments coastwise.....	4, 710	2, 045	6, 755	.....	355, 918	.....	.....
UPBOUND, INTERNAL.							
Vegetable food products, oilseeds, expressed oils, and beverages: Tomatoes.....	.....	200	200	3, 600	3, 600	5	5

¹ No statistics available.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.					
	Internal.		Coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			600	\$600	600	\$600
Vegetable food products, oil seeds, expressed oils, and beverages.....	200	\$3,600	2,886	192,006	3,086	195,606
Nonmetallic minerals.....			1,024	11,112	1,024	11,112
Ores, metals, and manufactures of, except machinery and vehicles.....			1,490	149,000	1,490	149,000
Chemicals.....			755	3,200	755	3,200
Total.....	200	3,600	6,755	355,918	6,955	359,518

This is an increased tonnage of 673 tons over that reported for 1919.

Vessel classification.

Classes.	Amer- ican.	Draft.	Arrivals and depart- ures.	Net regis- tered tonnage.	Freight carried.
Registered:		<i>Feet.</i>			<i>Short tons.</i>
Tugs.....	4	5-7	4	132	
Sailing vessels.....	32	3-8	55	1,410	6,008
Lighters.....	4	3-6	4	750	952
Unregistered launches ¹					
Total.....	40		63	2,292	6,955

¹ A number of small motor boats are used for fishing and pleasure.

CHOPTANK RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894.....	13,982	\$632,517	(1)	1908.....	233,916	\$17,743,390	(1)
1895.....	23,532	614,248	(1)	1909.....	234,920	19,357,086	(1)
1896.....	17,183	647,893	(1)	1910.....	237,273	19,551,188	59,490
1897.....	21,694	683,871	(1)	1911.....	252,502	19,803,144	59,639
1898.....	19,012	715,872	(1)	1912.....	252,937	19,368,649	60,235
1899.....	21,399	1,040,957	(1)	1913.....	243,749	19,790,784	60,536
1900.....	157,094	3,352,710	(1)	1914.....	48,712	3,712,196	47,597
1901.....	(1)	(1)	(1)	1915.....	49,536	2,540,465	33,810
1902.....	172,803	3,687,981	(1)	1916.....	57,845	3,262,600	30,211
1903.....	208,367	4,696,452	(1)	1917.....	50,637	3,111,420	29,544
1904.....	210,447	4,743,416	(1)	1918.....	41,141	2,701,530	28,960
1905.....	212,725	8,705,244	(1)	1919.....	35,543	3,566,670	26,583
1906.....	208,496	8,883,285	(1)	1920.....	30,174	2,902,583	23,599
1907.....	212,661	16,130,830	(1)				

¹ No statistics available.

[Navigation season: Mar. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oyster shells.	2,605		2,605	\$2,605	\$2,605	Miles. 33	Cents. (1)
Vegetable food products, oil-seeds, expressed oils, and beverages.			704		53,312		
Flour.		26		212		20	(1)
Grain products.		468		46,800		115	(1)
Hay.		210		6,300		115	(1)
Wood and paper.			826		18,320		
Baskets, empty.		40		1,200		20	(1)
Box, shooks.		70		2,800		20	(1)
Lumber.	716			14,320		98	(1)
Nonmetallic minerals.			7,156		29,352		
Cement.		300		4,500		100	(1)
Coal, anthracite.	164			1,968		115	(1)
Coal, bituminous.	336			3,024		100	(1)
Lime.		200		2,400		30	(1)
Oil, petroleum.		156		5,460		115	(1)
Stone, crushed.	6,000			12,000		120	(1)
Ores, metals, and manufactures of, except machinery and vehicles: Cans, empty		665	665	66,500	66,500	45	(1)
Chemicals: Fertilizer and materials.		1,879	1,879	75,160	75,160	64	(1)
Miscellaneous.			6,957		1,546,825		
Building materials.	100			4,000		38	(1)
General merchandise.		6,857		1,542,825		115	(1)
Total.	9,921	10,871	20,792		1,792,074		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.			1,560		576,520		
Fish, fresh.		294		23,520		115	(1)
Oysters, shucked.		400		120,000		115	(1)
Poultry and live stock.		866		433,000		115	(1)
Vegetable food products, oil-seeds, expressed oils, and beverages.			6,541		450,764		
Agricultural products.		3,317		199,020		115	(1)
Canned goods.		1,721		154,890		115	(1)
Corn.	196			12,348		60	11
Grain products.		410		41,000		115	(1)
Tomatoes.		417		7,506		25	9
Wheat.	480			36,000		60	10
Wood and paper: Lumber.	1,000		1,000	20,000	20,000	20	11
Miscellaneous: General merchandise.		281	281	63,225	63,225	115	(1)
Total.	1,676	7,706	9,382		1,110,509		
Total receipts and shipments.	11,597	18,577	30,174		2,902,583		

1 No statistics available.

71115—ENG 1921—PT 2—31

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	4, 165	\$579, 125
Vegetable food products, oil seeds, expressed oils, and beverages.....	7, 245	504, 076
Wood and paper.....	1, 826	38, 320
Nonmetallic minerals.....	7, 156	29, 352
Ores, metals, and manufactures of, except machinery and vehicles.....	665	66, 500
Chemicals.....	1, 879	75, 160
Miscellaneous.....	7, 238	1, 610, 050
Total.....	30, 174	2, 902, 583

This is a decreased tonnage of 5,369 under that reported for 1919 due to the partial suspension of the canning industry, the scarcity of sailing vessels, and the suspension of sailings by the Baltimore & Eastern Shore Transportation Co.

Vessel classification.

Classes.	Amer- ican.	Draft.	Arrivals and depar- tures.	Net regis- tered tonnage.	Freight carried.	Passen- gers.
Registered:		<i>Fect.</i>			<i>Short tons.</i>	
Steamers and tugs.....	10	5-8	360	2, 159	18, 003	23, 590
Power boats.....	7	3-6	16	235	4, 068	
Sailing vessels.....	15	3-8	30	660	2, 023	
Lighters.....	6	5-7	12	1, 800	6, 000	
Unregistered, launches ¹						
Total.....	38		418	4, 854	30, 174	23, 590

¹ A large number of small motor and sail boats are used for fishing, oystering, and pleasure.

TUCKAHOE RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1911.....	(¹)	(¹)	(¹)	1916.....	1, 978	\$178, 105	187
1912.....	6, 546	\$455, 600	500	1917.....	1, 110	103, 902	150
1913.....	6, 579	457, 053	503	1918.....	1, 191	212, 900	(¹)
1914.....	3, 161	224, 144	377	1919.....	1, 422	124, 500	(¹)
1915.....	2, 208	171, 415	326	1920.....	830	73, 725	(¹)

¹ No statistics available.

[Navigation season: Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile. ¹
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Ores, metals, and manu- factures of, except ma- chinery and vehicles:						<i>Miles.</i>	
Cans, empty.....		60	60	\$6,000	\$6,000	100	.....
SHIPMENTS, COASTWISE.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			770		67,725		
Canned goods.....		665		59,850		100	(¹)
Wheat.....	105			7,875		100	(¹)
Total.....	105	665	770		67,725		
Total receipts and shipments.....	105	725	830		73,725		

¹ No statistics available.

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products, oil seeds, expressed oils, and beverages.....	770	\$67,725
Ores, metals, and manufactures of, except machinery and vehicles.....	60	6,000
Total.....	830	73,725

This is a decreased tonnage of 592 under that reported for 1919, due principally to a partial suspension of the canning industry.

Vessel classification.

Classes.	American.	Draft.	Arrivals and de- partures.	Net regis- tered tonnage.	Freight carried.
Registered sailing vessels.....	5	<i>Feet.</i> 4-6	8	214	<i>Short tons.</i> 830
Unregistered launches ¹					
Total.....	5		8	214	830

¹ A number of small motor boats are used for fishing and pleasure.

WARWICK RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passen
1894.....	50,808	\$1,240,300	(1)	1908.....	67,346	\$3,441,826	(1)
1895.....	(1)	(1)	(1)	1909.....	68,017	3,618,998	(1)
1896.....	3,617	140,937	(1)	1910.....	68,595	3,651,084	(1)
1897.....	3,709	126,289	(1)	1911.....	73,056	3,719,623	(1)
1898.....	4,214	138,414	(1)	1912.....	75,960	3,811,252	(1)
1899.....	4,133	211,587	(1)	1913.....	72,833	3,776,030	(1)
1900.....	52,791	1,095,947	(1)	1914.....	5,876	399,020	(1)
1901.....	(1)	(1)	(1)	1915.....	8,541	383,670	(1)
1902.....	58,070	1,205,542	(1)	1916.....	8,649	523,460	(1)
1903.....	65,206	1,517,578	(1)	1917.....	8,334	428,264	(1)
1904.....	65,858	1,532,754	(1)	1918.....	7,948	575,140	(1)
1905.....	66,631	1,943,178	(1)	1919.....	7,481	688,080	(1)
1906.....	60,027	2,431,286	(1)	1920.....	4,024	995,484	(1)
1907.....	61,225	3,129,022	(1)				

1 No statistics available.

[Navigation season, Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair: Oysters, in shell.....	960		960	\$21,600	\$21,600
Vegetable food products, oilseed, expressed oils, and beverages: Grain products.....		145	145	14,500	14,500
Wood and paper: Lumber.....	298		298	5,960	5,960
Nonmetallic minerals: Coal, anthracite.....	49		49	588	588
Chemicals: Fertilizer and materials.....		119	119	4,760	4,760
Miscellaneous: General merchandise.....		878	878	197,550	197,550
Total.....	1,307	1,142	2,449		244,958
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair: Oysters, shucked.....		116	350	34,800	151,800
Poultry and live stock.....		234		117,000	
Vegetable food products, oilseed, expressed oils, and beverages: Agricultural products.....			1,147	581,176	
Canned goods.....		501		30,000	
Tomatoes.....		229		20,610	
Miscellaneous: General merchandise.....		417		7,506	
		78	78	17,550	17,550
Total.....		1,575	1,575		750,526
Total receipts and shipments	1,307	2,717	4,024		995,484

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	1,310	\$173,400
Vegetable food products, oilseed, expressed oils, and beverages.....	1,292	565,676
Wood and paper.....	298	5,960
Nonmetallic minerals.....	49	588
Chemicals.....	119	4,760
Miscellaneous.....	966	216,100
Total.....	4,024	995,484

This is a decreased tonnage of 3,457 under that reported for 1919, due principally to a complete suspension of the canning industry.

Vessel classification.

Classes.	Amer- ican.	Draft.	Arrivals and depar- tures.	Net regis- tered tonnage.	Freight carried.	Passen- gers.
Registered:		<i>Fect.</i>			<i>Short tons.</i>	
Steamers.....	3	7-9	224	1,542	2,362	840
Sailing vessels.....	15	4-7	32	645	1,662	
Unregistered launches ¹						
Total.....	18		256	2,187	4,024	840

¹ A number of small motor boats are used for fishing and pleasure.

CAMBRIDGE HARBOR, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1902.....	85,991	\$1,355,733	(¹)	1912.....	217,347	\$12,543,781	32,062
1903.....	101,552	1,966,685	(¹)	1913.....	237,789	11,927,222	98,240
1904.....	102,568	1,686,352	(¹)	1914.....	79,211	1,689,552	24,480
1905.....	103,697	4,238,575	(¹)	1915.....	87,384	1,631,616	24,281
1906.....	101,662	4,211,330	(¹)	1916.....	88,367	2,064,460	22,905
1907.....	103,693	8,796,912	(¹)	1917.....	90,296	2,408,333	22,533
1908.....	66,703	2,227,659	(¹)	1918.....	66,163	2,287,520	22,667
1909.....	155,195	10,772,332	(¹)	1919.....	67,388	4,589,306	19,185
1910.....	116,343	10,880,074	26,725	1920.....	78,672	3,098,665	17,146
1911.....	122,176	10,955,859	26,992				

¹ No statistics available.

[Navigation season: Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC:

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oysters, in shell.	40	.....	40	\$900	\$900	Miles. 25	Cents. 11
Vegetable food products, oilseeds, expressed oils, and beverages.			1,216		91,568		
Corn.	56			3,528		20	11
Grain products.		722		72,200		100	(1)
Hay.		78		2,340		100	(1)
Tomatoes.		250		4,500		10	30
Wheat.	110			9,000		20	10
Wood and paper.			3,796		69,620		
Lumber.	3,346			66,820		103	2
Piling.	450			2,700		75	(1)
Nonmetallic minerals.			4,302		39,102		
Coal, anthracite.	128			1,535		100	(1)
Coal, bituminous.	4,174			37,566		75	2
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel manufactures.		3	3	480	480	75	(1)
Chemicals: Fertilizer and materials.	1,000	200	1,200	48,000	48,000	88	2
Miscellaneous: General merchandise.		4,154	4,154	934,550	934,550	88	(1)
Total.	9,304	5,407	14,711		1,184,220		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.			17,620		694,092		
Fish, fresh.		500		40,000		100	(1)
Oysters, shucked.		877		263,100		81	(1)
Oyster shells.	15,492			15,492		74	(1)
Poultry and live stock.		751		375,500		100	(1)
Vegetable food products, oilseeds, expressed oils, and beverages.			1,403		109,400		
Agricultural products.		589		35,340		100	(1)
Canned goods.		410		36,900		100	(1)
Feed.		60		1,200		35	(1)
Flour.		78		9,360		35	(1)
Grain products.		266		26,600		100	(1)
Wood and paper.			2,810		20,200		
Baskets, empty.		40		1,200		20	(1)
Box shooks.		70		2,800		20	(1)
Piling.	2,700			16,200		394	(1)
Nonmetallic minerals.			695		7,350		
Bricks, building.	495			4,950		100	(1)
Lime.		200		2,400		45	(1)
Ores, metals, and manufactures of, except machinery and vehicles: Cans, empty.		500	500	50,000	50,000	20	(1)
Chemicals: Fertilizer and materials.		300	300	12,000	12,000	20	(1)
Miscellaneous.			478		89,050		
Building materials.	100			4,000		35	(1)
General merchandise.		378		85,050		100	(1)
Total.	18,787	5,019	23,806		982,092		
Total receipts and shipments.	28,091	10,426	38,517		2,166,312		
LOCAL.							
Animals and animal products, except wool and hair.			40,155		932,353		
Fish, fresh.	502			40,160		15	(1)
Oysters, in shell.	39,653			892,193		15	(1)
Total.	40,155		40,155		932,353		

¹ No statistics available.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	17,660	\$994,992	40,155	\$932,353	57,815	\$1,627,345
Vegetable food products, oilseeds, expressed oils, and beverages.....	2,619	200,968	.....	.....	2,619	200,968
Wood and paper.....	6,606	89,820	.....	.....	6,606	89,820
Nonmetallic minerals.....	4,997	46,452	.....	.....	4,997	46,452
Ores, metals, and manufactures of, except machinery and vehicles.....	503	50,480	.....	.....	503	50,480
Chemicals.....	1,500	60,000	.....	.....	1,500	60,000
Miscellaneous.....	4,632	1,023,600	.....	.....	4,632	1,023,600
Total.....	38,517	2,150,112	40,155	932,353	78,672	3,088,665

This is an increased tonnage of 11,284 over that reported for 1919.

Vessel classification.

Classes.	American.	Draft.	Arrivals and departures.	Net registered tonnage.	Freight carried, short tons.	Passengers.
Registered:		<i>Feet.</i>				
Steamers and tugs.....	15	5-9	242	2,166	8,611	17,146
Power boats.....	4	3-7	11	180	180	.....
Sailing vessels.....	156	2-8	571	6,003	55,945	.....
Barges.....	4	5-8	4	1,370	3,150	.....
Lighters.....	8	4-7	14	1,575	4,080	.....
Unregistered launches ¹.....	.....	.....	.....	.....	5,386	.....
Total.....	187	.....	842	11,294	78,672	17,146

¹ A large number of small motors and sail boats are used for oystering and fishing.

SLAUGHTER CREEK, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	19,375	\$457,397	(¹)	1917.....	14,642	\$1,242,033	15,360
1913.....	16,612	606,460	(¹)	1918.....	19,783	1,435,350	15,700
1914.....	31,390	1,536,060	6,500	1919.....	17,749	2,657,850	14,500
1915.....	22,800	1,156,350	13,000	1920.....	19,852	2,327,402	12,000
1916.....	20,755	1,224,318	12,480				

¹ No statistics available.

[Navigation season: Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average hauls.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, COASTWISE.						
Animals and animal products, ex- cept wool and hair: Oysters, in shell.....	1,200	.....	1,200	\$27,000	\$27,000	Miles. 10
Vegetable food products, oilseeds, expressed oils, and beverages: Tomatoes.....	.....	417	417	7,506	7,506	5
Nonmetallic minerals.....	.....	.....	292	.....	3,088	.....
Coal, anthracite.....	140	.....	.....	1,680	.....	75
Coal, bituminous.....	112	.....	.....	1,008	.....	75
Salt.....	.....	40	.....	400	.....	75
Ores, metals, and manufactures of, except machinery and vehicles: Cans, empty.....	.....	350	350	35,000	35,000	75
Chemicals: Fertilizer and materials.....	.....	200	200	8,000	8,000	75
Miscellaneous: General merchan- dise.....	.....	6,000	6,000	1,350,000	1,350,000	75
Total.....	1,452	7,007	8,459	.....	1,430,594	.....
SHIPMENTS, COASTWISE.						
Animals and animal products, ex- cept wool and hair: Fish, fresh.....	63	.....	63	5,040	5,040	25
Vegetable food products, oilseeds, expressed oils, and beverages.....	.....	.....	1,818	.....	158,720	.....
Canned goods.....	.....	1,508	.....	135,720	.....	75
Fruit and farm produce.....	.....	10	.....	500	.....	75
Wheat.....	300	.....	.....	22,500	.....	75
Wood and paper.....	.....	.....	6,512	.....	58,048	.....
Cordwood.....	4,512	.....	.....	18,048	.....	75
Lumber.....	2,000	.....	.....	40,000	.....	75
Miscellaneous: General merchan- dise.....	.....	3,000	3,000	675,000	675,000	75
Total.....	6,875	4,518	11,393	.....	896,808	.....
Total receipts and shipments.	8,327	11,525	19,852	.....	2,327,402	.....

SUMMARY.

Classes of commodities.	Coastwise.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	1,263	\$32,040
Vegetable food products, oilseeds, expressed oils, and beverages.....	2,235	106,228
Wood and paper.....	6,512	58,048
Nonmetallic minerals.....	292	3,088
Ores, metals, and manufactures of, except machinery and vehicles.....	350	35,000
Chemicals.....	200	8,000
Miscellaneous.....	9,000	2,025,000
Total.....	19,852	2,327,402

This is an increased tonnage of 2,103 over that reported for 1919.

Vessel classification, 1920.

Classes.	Amer- ican.	Draft.	Arrivals and depar- tures.	Net regis- tered tonnage.	Freight carried, short tons.	Passen- gers.
Registered:		<i>Feet.</i>				
Steamers.....	1	7-8	85	444	9,000	12,000
Power boats.....	5	3-6	75	230	1,986	.....
Sailing vessels.....	35	3-7	175	1,335	8,866	.....
Unregistered launches ¹						
Total.....	41		335	2,009	19,852	12,000

¹ Numerous small motor and sail boats are used for fishing and oystering.

NANTICOKE RIVER, DEL. AND MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896.....	17,049	\$984,105	(¹)	1909.....	135,241	\$8,702,054	(¹)
1897.....	17,015	682,694	(¹)	1910.....	136,569	8,758,412	4,138
1898.....	18,121	659,631	(¹)	1911.....	148,006	8,383,730	4,148
1899.....	17,221	732,062	(¹)	1912.....	168,488	8,490,390	4,190
1900.....	87,467	1,029,004	(¹)	1913.....	174,929	8,712,877	4,210
1901.....	96,214	1,131,004	(¹)	1914.....	52,063	2,115,283	5,328
1902.....	119,038	2,008,570	(¹)	1915.....	51,609	1,587,130	4,658
1903.....	120,229	2,028,656	(¹)	1916.....	47,157	1,794,915	3,859
1904.....	121,769	4,274,604	(¹)	1917.....	35,915	1,655,890	4,978
1905.....	119,348	4,351,380	(¹)	1918.....	34,524	1,990,420	4,494
1906.....	121,738	7,274,180	(¹)	1919.....	41,347	1,747,730	3,105
1908.....	132,842	7,740,155	(¹)	1920.....	53,674	1,966,629	2,550

¹ No statistics available.

[Navigation season, Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
UPBOUND, INTERNAL.							
Wood and paper.....			2,690		\$49,300	<i>Miles.</i>	<i>Cents.</i>
Gum logs.....	300			\$1,500		30	13
Lumber.....	2,390			47,800		28	5
Miscellaneous: Building ma- terials.....	3		3	120	120	30	(1)
Total.....	2,693		2,693		49,420		
DOWNBOUND, INTERNAL.							
Wood and paper: Shingles.....		3	3	72	72	20	(1)
Nonmetallic minerals: Cement.....		2	2	30	30	12	(1)
Miscellaneous: Building ma- terials.....	8		8	320	320	12	(1)
Total.....	8	5	13		422		
Total upbound and downbound.....	2,701	5	2,706		49,842		

¹ No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal prod- ucts, except wool and hair.			\$7,355		\$67,650	Miles.	Cents.
Oysters, in shell.	2,400			54,000		60	(1)
Oysters, shucked.		5		1,500		60	(1)
Oyster shells.	4,650			4,650		85	(1)
Fish scrap.		300		7,500		70	4
Vegetable food products, oil seeds, expressed oils, and beverages.			724		50,710		
Flour.		118		14,160		10	(1)
Grain products.		291		29,100		135	(1)
Hay.		97		2,910		73	(1)
Potatoes.		28		1,120		10	(1)
Tomatoes.		190		3,420		45	(1)
Wood and paper.			1,063		21,760		
Baskets.		10		300		10	(1)
Lumber.	1,073			21,460		91	3
Nonmetallic minerals.			26,830		83,551		
Bricks, building.	7			70		140	(1)
Coal, anthracite.	161			1,932		93	1
Coal, bituminous.	3,611			32,499		135	1
Marble.	4			112		10	(1)
Oil, all kinds.		47		2,938		130	(1)
Stone, crushed.	23,000			46,000		145	(1)
Ores, metals, and manufac- tures of, except machin- ery and vehicles: Iron and steel manufactures.		3	3	480	480	140	(1)
Chemicals: Fertilizer and materials.	4,644		4,644	185,760	185,760	95	(1)
Miscellaneous.			2,979	689,925	689,921		
General merchandise.		2,973		689,925		65	(1)
Household goods.		6		966		10	(1)
Total.	39,550	4,068	43,618		1,099,832		
SHIPMENTS, COASTWISE.							
Animals and animal prod- ucts, except wool and hair.			1,042		348,900		
Oysters, in shell.	200			4,500		90	(1)
Oysters, shucked.		383		114,900		113	(1)
Poultry and live stock.		459		229,500		135	(1)
Vegetable food products, oil seeds, expressed oils, and beverages.			2,766		213,440		
Agricultural products.		1,201		72,060		120	(1)
Canned goods.		1,422		127,980		135	(1)
Fruit and farm produce.		18		900		90	(1)
Grain products.		125		12,500		135	(1)
Wood and paper.			2,618		51,720		
Cordwood.	40			160		100	2
Lumber.	2,578			51,560		42	2
Ores, metals, and manufac- tures of, except machin- ery and vehicles.			23		3,500		
Cans, empty.		3		300		10	(1)
Iron and steel manu- factures.		20		3,200		10	(1)
Chemicals: Fertilizer and materials.		18	18	720	720	.10	(1)
Miscellaneous: General mer- chandise.		883	883	198,675	198,675	38	(1)
Total.	2,818	4,532	7,350		816,955		
Total receipts and shipments, coastwise	42,368	8,600	50,968		1,916,787		

1 No statistics available.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Internal.		Coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			8,397	\$416,550	8,397	\$416,550
Vegetable food products, oil seeds, expressed oils, and beverages.....			3,490	264,150	3,490	264,150
Wood and paper.....	2,683	\$49,372	3,701	73,480	6,384	122,852
Nonmetallic minerals.....	2	30	26,830	83,561	26,832	83,581
Ores, metals, and manufactures of, except machinery and vehicles.....			26	3,980	26	3,980
Chemicals.....			4,662	186,480	4,662	186,480
Miscellaneous.....	11	440	3,862	888,596	3,873	889,036
Total.....	2,706	49,842	50,968	1,916,787	53,674	1,966,629

This is an increased tonnage of 12,327 over that reported for 1919.

Vessel classification.

Classes.	American.	Draft.	Arrivals and departures.	Net registered tonnage.	Freight carried.	Passengers.
Registered:		<i>Feet.</i>			<i>Short tons.</i>	
Steamers and tugs.....	17	5-8	175	2,013	7,449	2,550
Power boats.....	3	3-5	121	37	2,998	
Sailing vessels.....	58	3-8	142	2,828	18,967	
Barges.....	9	5-9	15	2,835	11,250	
Lighters.....	17	4-8	83	1,800	13,010	
Unregistered launches ¹						
Total.....	104		536	9,513	53,674	2,550

¹ A number of small sail and motor boats are used for fishing, oystering, and pleasure.

BROAD CREEK RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1898.....	25,668	\$223,061	(¹)	1914.....	30,561	\$614,149	(¹)
1899.....	17,976	170,856	(¹)	1915.....	17,935	312,845	(¹)
1906.....	29,060	618,650	(¹)	1916.....	18,248	470,678	(¹)
1907.....	26,353	278,149	(¹)	1917.....	18,663	572,081	(¹)
1908.....	28,480	444,512	(¹)	1918.....	17,268	626,815	(¹)
1911.....	31,201	250,735	300	1919.....	17,859	940,110	(¹)
1912.....	25,498	186,656	400	1920.....	9,033	421,067	(¹)
1913.....	33,686	665,992	(¹)				

¹ No statistics available.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- miles.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Fish scrap.....		200	200	\$5,000	\$5,000	Miles. 70	Cents. 4
Wood and paper.....			2,581		51,720		
Barrels, empty.....		3		160		10	(1)
Lumber.....	2,578			51,560		15	6
Nonmetallic minerals.....			75		1,172		
Coal, anthracite.....	71			852		120	(1)
Oil, lubricating.....		4		320		10	(1)
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel manufactures.....		20	20	3,200	3,200	10	(1)
Chemicals: Fertilizer and materials.....	4,793	18	4,811	192,440	192,440	125	2
Miscellaneous: General merchandise.....		506	506	113,850	113,850	10	(1)
Total.....	7,442	751	8,193		367,382		
SHIPMENTS, COASTWISE.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			171		16,280		
Flour.....		118		14,160		10	(1)
Hay and feed.....		25		1,000		10	(1)
Potatoes.....		28		1,120		10	(1)
Wood and paper.....			353		7,160		
Baskets.....		10		300		65	(1)
Lumber.....	343			6,860		65	(1)
Nonmetallic minerals.....			15		244		
Coal, anthracite.....	11			132		10	(1)
Marble.....		4		112		10	(1)
Chemicals: Fertilizer and materials.....		202	202	8,080	8,080	23	6
Miscellaneous.....			99		21,921		
General merchandise.....		93		20,925		10	(1)
Household goods.....		6		906		10	(1)
Total.....	364	486	840		53,685		
Total receipts and shipments.....	7,796	1,237	9,033		421,067		

1 No statistics available.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	200	\$5,000
Vegetable food products, oil seeds, expressed oils, and beverages.....	171	16,280
Wood and paper.....	2,634	58,880
Nonmetallic minerals.....	90	1,416
Ores, metals, and manufactures of, except machinery and vehicles.....	20	3,200
Chemicals.....	5,013	200,530
Miscellaneous.....	606	135,771
Total.....	9,033	421,067

This is a decreased tonnage of 8,826 under that reported for 1919, due to the diversion of shipments of coal, general merchandise, gum logs, lumber, and farm produce to the railroad.

Vessel classification, 1920.

Classes.	Amer- ican.	Draft.	Arrivals and depar- tures.	Net registered tonnage.	Freight carried.
Registered:		<i>Feet.</i>			<i>Short tons.</i>
Steamers and tugs.....	5	5-8	6	335	.....
Power boats.....	4	3-6	133	109	1,087
Sailing vessels.....	22	3-7	55	1,363	6,773
Lighters.....	9	4-8	9	1,200	1,173
Unregistered launches ¹					
Total.....	40		203	3,007	9,083

¹ A number of small motor boats are used for fishing and pleasure.

TYASKIN (WETIPQUIN) CREEK, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1902.....	713	\$30,459	(1)	1912.....	10,105	\$207,765	533
1903.....	784	33,478	(1)	1913.....	3,692	133,466	536
1904.....	796	33,813	(1)	1914.....	3,987	134,188	608
1905.....	856	38,275	(1)	1915.....	6,334	194,440	575
1906.....	945	45,500	(1)	1916.....	6,781	195,250	441
1907.....	987	71,498	(1)	1917.....	8,107	307,235	527
1908.....	1,064	78,710	(1)	1918.....	8,751	415,242	1,008
1909.....	1,076	84,946	(1)	1919.....	7,789	696,100	328
1910.....	1,087	85,722	527	1920.....	3,815	190,840	139
1911.....	4,344	162,333	528				

¹ No statistics available.

[Navigation season, Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, COASTWISE.						
Animals and animal products, except wool and hair: Oysters, in shell.....	1,230	.....	1,230	\$27,675	\$27,675	Miles. 25
Vegetable food products, oil seeds, expressed oils, and beverages:						
Grain products.....	67	.....	67	6,700	6,700	110
Wood and paper: Lumber.....	5	.....	5	100	100	110
Nonmetallic minerals.....			245		5,280	
Bricks, building.....	100	.....		1,000		110
Coal, anthracite.....	8	.....		96		110
Coal, bituminous.....	110	.....		1,008		110
Oil, coal.....		17	.....	607		110
Oil, gasoline.....		26	.....	2,229		110
Oil, lubricating.....		4	.....	320		110
Chemicals: Fertilizer and mate- rials.....		532	532	21,280	21,280	110
Miscellaneous.....			269		32,775	
Building materials.....	150	.....		6,000		110
General merchandise.....		119		26,775		110
Total.....	1,670	698	2,368		93,790	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
SHIPMENTS, COASTWISE.						
Animals and animal products, except wool and hair.....			979		\$50,180	Miles.
Oysters, shucked.....		51		\$15,300		110
Oyster shells.....	860			860		35
Poultry and live stock.....		68		34,000		110
Vegetable food products, oil seeds, expressed oils, and beverages.....			386		28,440	
Agricultural products.....		210		12,600		110
Canned goods.....		176		15,840		110
Miscellaneous: General merchan- dise.....		82	82	18,450	18,450	110
Total.....	860	587	1,447		97,050	
Total receipts and shipments	2,530	1,285	3,815		190,840	

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	2,209	\$77,835
Vegetable food products, oil seeds, expressed oils, and beverages.....	453	35,140
Wood and paper.....	5	100
Nonmetallic minerals.....	265	5,260
Chemicals.....	532	21,280
Miscellaneous.....	351	51,225
Total.....	3,815	190,840

This is a decreased tonnage of 3,974 under that reported for 1919, due to suspension of canning industry, and the scarcity of sailing vessels which resulted in the diversion of shipments of building materials, coal, lumber, etc., to motor trucks.

Vessel classification.

Classes.	American.	Draft.	Arrivals and departures.	Net registered tonnage.	Freight carried.	Passengers.
Registered:		<i>Feet.</i>			<i>Short tons.</i>	
Steamer.....	1	7-8	111	614	817	139
Sailing vessels.....	15	3-6	30	465	2,998	
Unregistered launches ¹						
Total.....	16		141	1,079	3,815	139

¹ There are a number of small motor and sail boats used for fishing and oystering, besides which the creek is used as a harbor of refuge in rough weather by oystermen.

WICOMICO RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894.....	108,368	\$2,044,332	(1)	1908.....	222,657	\$15,449,526	(1)
1895.....	69,808	981,616	(1)	1909.....	224,983	17,000,080	(1)
1896.....	122,539	1,765,784	(1)	1910.....	227,428	17,170,040	9,164
1897.....	147,273	2,467,729	(1)	1911.....	362,545	18,729,665	9,187
1898.....	259,340	2,781,482	(1)	1912.....	266,228	18,108,422	9,280
1899.....	252,292	4,028,018	(1)	1913.....	381,940	18,652,356	9,326
1900.....	14,710	922,493	(1)	1914.....	75,791	1,811,067	11,293
1902.....	168,226	3,929,555	(1)	1915.....	96,253	2,717,635	9,495
1903.....	197,306	4,713,455	(1)	1916.....	98,400	3,366,200	10,786
1904.....	199,279	4,761,095	(1)	1917.....	77,115	3,105,022	12,000
1905.....	202,510	7,409,179	(1)	1918.....	61,137	2,938,230	8,837
1906.....	198,451	7,422,620	(1)	1919.....	71,544	3,817,345	9,795
1907.....	202,416	14,044,966	(1)	1920.....	61,603	3,155,801	6,993

¹ No statistics available.

[Navigation season: Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
UPBOUND, INTERNAL.							
Vegetable food products, oilseeds, expressed oils, and beverages.....			828		\$49,644	Miles.	Cents.
Canned goods.....		435		\$39,150		4	(1)
Tomatoes.....		333		5,994		10	(1)
Wheat.....	60			4,500		30	(1)
Wood and paper.....			920		13,600		
Cordwood.....	300			1,200		30	(1)
Lumber.....	620			12,400		25	(1)
Nonmetallic minerals: Oil, gasoline.....		1	1	86	86	19	(1)
Miscellaneous: General mer- chandise.....		1	1	225	225	30	(1)
Total.....	980	770	1,750		63,555		
DOWNBOUND, INTERNAL.							
Vegetable food products, oil- seeds, expressed oils, and beverages.....			30		2,400		
Flour.....		15		1,800		25	(1)
Hay and feed.....		15		600		25	(1)
Wood and paper.....			955		11,415		
Logs.....	515			2,575		30	(1)
Lumber.....	430			8,600		25	(1)
Shingles.....		10		240		25	(1)
Nonmetallic minerals.....			407		4,491		
Bricks, building.....	45			450		30	(1)
Cement.....		125		1,875		30	(1)
Coal, bituminous.....	224			2,016		20	(1)
Lime.....		10		120		30	(1)
Salt.....		3		30		20	(1)
Ores, metals, and manufac- tures of, except machinery and vehicles: Drums, empty.....		2	2	640	640	19	(1)
Chemicals: Fertilizer and materials.....		325	325	13,000	13,000	20	(1)

¹ No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
DOWNBOUND, INTERNAL— continued						<i>Miles.</i>	<i>Cents.</i>
Miscellaneous.....			575		\$18,100		
Building material.....	40		575	\$1,800		25	(1)
General merchandise.....		10		2,250		25	(1)
Groceries.....		25		11,250		30	(1)
Ice.....	500			3,000		20	(1)
Total.....	1,754	540	2,294		50,048		
Total upbound and downbound internal	2,735	1,309	4,044		113,601		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oyster shells.....	500		500	500	500	50	(1)
Vegetable food products, oilseeds, expressed oils, and beverages.....			1,239		120,970		
Candy.....		60		30,000		(1)	(1)
Canned goods.....		67		6,030		(1)	(1)
Fruit and farm produce.....		2		100		(1)	(1)
Hay and feed.....		436		17,440		150	(1)
Mill products.....		674		67,400		150	(1)
Wood and paper: Lumber.....	9,309		9,309	186,180	186,180	98	2
Nonmetallic minerals.....			7,356		22,827		
Coal, anthracite.....	246			1,852		150	(1)
Oil, all kinds.....		110		8,875		150	(1)
Stone, crushed.....	7,000			14,000		145	(1)
Ores, metals, and manufactures of, except machinery and vehicles: Cans, empty.....		215	215	21,500	21,500	150	(1)
Chemicals: Fertilizer and materials.....	23,392	3,942	27,334	1,093,360	1,093,360	133	(1)
Miscellaneous: General merchandise.....		3,038	3,038	683,550	683,550	150	(1)
Total.....	40,447	8,544	48,991		2,128,887		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.....			1,607		414,243		
Oysters, in shell.....	713			16,043		150	(1)
Oyster shell lime.....		100		1,200		(1)	(1)
Poultry and live stock.....		794		397,000		150	(1)
Vegetable food products, oilseeds, expressed oils, and beverages.....			2,767		213,040		
Agricultural products.....		1,289		77,340		150	(1)
Canned goods.....		1,124		101,160		150	(1)
Flour.....		2		240		(1)	(1)
Hay and feed.....		16		600		(1)	(1)
Mill products.....		337		33,700		150	(1)
Wood and paper: Shingles.....		95	95	2,280	2,280	90	(1)
Nonmetallic minerals.....			1,658		4,810		
Bricks, building.....	88			880		90	(1)
Cement.....		30		450		90	(1)
Lime.....		40		480		90	(1)
Stone, crushed.....	1,500			3,000		(1)	(1)
Chemicals: Fertilizer and materials.....		561	561	22,440	22,440	160	(1)
Miscellaneous.....			1,890		256,500		
Building material.....	900			36,000		90	(1)
General merchandise.....		980		220,500		150	(1)
Total.....	3,201	5,367	8,568		913,313		
Total receipts and shipments.....	43,648	13,911	57,559		3,042,200		

1 No statistics available.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Internal.		Coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			2,107	\$414,743	2,107	\$414,743
Vegetable food products, oilseeds, expressed oils, and beverages.....	858	\$52,044	4,006	334,010	4,864	386,054
Wood and paper.....	1,875	25,015	9,404	188,460	11,279	213,475
Nonmetallic minerals.....	408	4,577	9,014	27,637	9,422	32,214
Ores, metals, and manufactures of, except machinery and vehicles....	2	640	215	21,500	217	22,140
Chemicals.....	325	13,000	27,896	1,115,800	28,220	1,128,800
Miscellaneous.....	576	18,325	4,918	94,050	5,494	958,375
Total.....	4,044	113,601	57,559	3,042,200	61,603	3,155,801

This is a decreased tonnage of 9,941 under that reported for 1919, due to the diversion of the shipments of lumber, coal, canned goods, etc., to railroad.

Vessel classification.

Classes.	Amer-ican.	Draft.	Arrivals and departures.	Net registered tonnage.	Freight carried.	Passen-gers.
Registered:		<i>Fect.</i>			<i>Shorttons.</i>	
Steamers and tugs.....	12	5-8	171	1,484	10,775	6,998
Power boats.....	12	3-9	33	200	6,952	.....
Sailing vessels.....	68	3-10	366	3,053	33,049	.....
Barges.....	2	8-10	6	400	2,130	.....
Lighters.....	7	5-8	33	900	8,697	.....
Unregistered launches ¹						
Total.....	101	.....	609	6,017	61,603	6,998

¹ There are numerous small motor and sail boats used for fishing, oystering, and pleasure.

LOWER THOROUGHFARE AT OR NEAR WENONA, DEAL ISLAND, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914.....	12,584	\$217,030	1918.....	13,245	\$456,100
1915.....	13,580	218,430	1919.....	12,056	523,650
1916.....	14,020	296,560	1920.....	10,206	468,131
1917.....	12,379	341,950			

[Navigation season: Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, COASTWISE.						
Wood and paper			1,425		\$6,900	Miles.
Cordwood	1,350			\$5,400		25
Lumber	75			1,500		40
Nonmetallic minerals			287		12,186	
Coal, anthracite	80			960		90
Coal, bituminous	32			288		90
Oil, all kinds		175		10,938		90
Chemicals: Fertilizer and mate- rials		200	200	8,000	8,000	40
Miscellaneous: General merchan- dise		350	350	78,750	78,750	65
Total	1,537	725	2,262		105,836	
SHIPMENTS, COASTWISE.						
Animals and animal products, ex- cept wool and hair			3,825		202,675	
Crabs, hard		750		60,000		25
Crabs, soft		100		50,000		25
Oysters, shucked		300		90,000		25
Oyster shells	2,675			2,675		40
Vegetable food products, oilseeds, expressed oils, and beverages:						
Canned goods		268	268	24,120	24,120	90
Total	2,675	1,418	4,093		226,795	
Total receipts and shipments.	4,212	2,143	6,355		332,631	
LOCAL.						
Animals and animal products, ex- cept wool and hair			3,850		135,500	
Crabs, hard	850			68,000		10
Oysters, in shell	3,000			67,500		10
Total	3,850		3,850		135,500	

SUMMARY.

Classes and commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair	3,825	\$202,675	3,850	\$135,500	7,675	\$338,175
Vegetable food products, oilseeds, expressed oils, and beverages	268	24,120			268	24,120
Wood and paper	1,425	6,900			1,425	6,900
Nonmetallic minerals	287	12,186			287	12,186
Chemicals	200	8,000			200	8,000
Miscellaneous	350	78,750			350	78,750
Total	6,355	332,631	3,850	135,500	10,205	468,131

This is a decreased tonnage of 1,851 under that reported for 1919.

Vessel classification, 1920.

Classes.	American.	Draft.	Arrivals and departures.	Net registered tonnage.	Freight carried.
Registered:		<i>Fed.</i>			<i>Short tons.</i>
Sailing vessels.....	63	3-5	315	1,260	6,145
Power boats.....	10	3-5	159	190	4,060
Unregistered launches.....	1 300				
Total.....	373		474	1,450	10,205

¹ Approximate.

CRISFIELD HARBOR, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1906.....	30,265	\$1,242,860	(1)	1914.....	320,190	\$5,408,425	15,638
1907.....	30,738	2,197,350	(1)	1915.....	357,335	5,197,650	15,022
1908.....	102,882	8,221,918	(1)	1916.....	364,485	5,916,170	13,135
1909.....	104,027	9,125,978	(1)	1917.....	306,625	7,337,970	12,000
1910.....	105,064	9,217,006	14,905	1918.....	289,374	8,152,415	15,106
1911.....	238,027	11,920,560	14,942	1919.....	242,886	10,429,770	12,543
1912.....	108,476	9,332,449	15,091	1920.....	200,870	12,232,661	14,500
1913.....	300,194	12,921,288	15,176				

¹ No statistics available.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.			91,828		\$6,956,280	Miles.	Cents.
Clams.	2,228			\$178,240		14	(1)
Crabs, hard.		13,826		1,106,180		14	(1)
Crabs, soft.		3,482		1,741,000		15	(1)
Crabmeat.		100		100,000		15	(1)
Eggs.		3		1,500		12	(1)
Fish, fresh.	14,136			1,130,980		35	(1)
Fish, salt.		200		16,000		15	(1)
Oysters, in shell.	52,805			1,188,113		42	(1)
Oysters, shucked.		4,981		1,464,300		19	(1)
Oyster shells.	67			67		12	(9)
Vegetable food products, oil-seeds, expressed oils, and beverages.			18,399		588,984		
Berries.		11		3,850		15	(1)
Corn.		40		2,520		14	(9)
Fruit and farm produce.	4,630			231,500		65	(9)
Grain products.	422			42,200		115	(9)
Hay and feed.		100		4,000		15	(9)
Potatoes.		3,063		122,520		12	(1)
Tomatoes.		10,133		182,394		14	(1)
Textiles: Bags.		75	75	3,000	3,000	115	(9)
Wood and paper.			9,996		128,736		
Cordwood.	3,190			12,796		35	(9)
Lumber.	6,797			115,940		96	(9)

¹ Carried by owner.² No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPT COASTWISE—CON.						<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals.....			9,136		\$87,010		
Bricks, building.....	225			\$2,250		15	(1)
Coal, anthracite.....	1,260			15,120		102	3
Coal, bituminous.....	7,640			68,760		90	3
Oil, lubricating.....		11		880		115	(1)
Ores, metals, and manufactures of, except machinery and vehicles.....			64		8,380		
Cans, empty.....		55		5,500		115	(1)
Drums, empty.....		9		2,880		22	11
Chemicals: Fertilizer and materials.....	3,000	500	3,500	140,000	140,000	100	3
Miscellaneous.....			9,922		2,227,825		
Building materials.....	25			1,000		15	(1)
General merchandise.....		9,897		2,226,825		66	(1)
Total.....	91,382	51,538	142,920		10,140,215		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.....			39,793		1,102,308		
Boots and shoes.....		50		150,000		12	(1)
Crabs, hard.....		500		40,000		115	(1)
Fish, fresh.....		870		69,600		115	(1)
Oysters, in shell.....	3,606			81,135		115	(1)
Oysters, shucked.....		1,840		552,000		115	(1)
Oyster shells.....	32,573			32,573		112	(1)
Poultry and live stock.....		354		177,000		115	(1)
Vegetable food products, oilseeds, expressed oils, and beverages.....			1,600		140,208		
Agricultural products.....		196		11,760		115	(1)
Canned goods.....		362		32,580		12	(1)
Corn.....		56		3,528		12	(1)
Flour.....		512		61,440		14	(1)
Grain products.....		199		19,900		115	(1)
Hay and feed.....		175		7,000		12	(1)
Potatoes.....		100		4,000		12	(1)
Textiles: Clothing.....		100	100	100,000	100,000	12	(1)
Wood and paper.....			604		13,790		
Boxes, empty.....		135		5,400		15	(1)
Cordwood.....	75			300		12	(1)
Lumber.....	319			6,240		14	(1)
Shingles.....		75		1,800		14	(1)
Nonmetallic minerals.....			3,078		93,650		
Coal, anthracite.....	695			8,340		12	20
Coal, bituminous.....	46			414		12	(1)
Cement.....		244		3,660		14	(1)
Lime.....	1,004	94		13,176		36	(1)
Oil, coal.....		337		12,030		14	(1)
Oil, gasoline.....		605		51,860		15	15
Oil, lubricating.....		52		4,160		12	15
Salt.....		1		10		12	(1)
Ores, metals, and manufactures of, except machinery and vehicles.....			118		12,820		
Cans, empty.....		101		10,100		12	(1)
Iron and steel manufactures.....		17		2,720		12	(1)
Chemicals: Fertilizer and materials.....		1,000	1,000	40,000	40,000	50	5
Miscellaneous.....			11,657		599,680		
Building material.....	447			17,880		14	(1)
General merchandise.....		2,092		470,700		14	(1)
Groceries.....		1,118		53,100		15	(1)
Ice.....	8,000			48,000		100	(1)
Total.....	46,765	11,185	57,950		2,002,446		
Total receipts and shipments.....	138,147	62,723	200,870		12,232,661		

(1) No statistics available.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	131, 621	\$8, 058, 588
Vegetable food products, oilseeds, expressed oils, and beverages.....	19, 999	729, 192
Textiles.....	175	103, 000
Wood and paper.....	10, 600	142, 518
Nonmetallic minerals.....	12, 214	180, 680
Ores, metals, and manufactures of, except machinery and vehicles.....	182	21, 200
Chemicals.....	4, 500	180, 000
Miscellaneous.....	21, 579	2, 817, 505
Total.....	200, 870	12, 232, 661

This is a decreased tonnage of 42,016 under that reported for 1919.

Vessel classification.

Classes.	Amer- ican.	Draft.	Arrivals and depar- tures.	Net regis- tered tonnage.	Freight carried.	Passen- gers.
Registered:		<i>Fect.</i>			<i>Short tons.</i>	
Steamers and tugs.....	23	5-9	396	3, 034	19, 260	12, 000
Power boats.....	70	3-6	1, 864	1, 190	65, 240	2, 500
Sailing vessels.....	465	2-8	2, 110	19, 985	63, 300	.....
Barges.....	2	5-9	20	374	14, 960	.....
Lighters.....	9	5-8	29	2, 100	17, 680	.....
Unregistered launches and sail boats.....	¹ 675	.....	.....	.....	20, 330	.....
Total.....	1, 244	.....	4, 419	26, 693	200, 870	14, 500

¹ Approximate.

Crisfield is a subport of entry of the port of Baltimore, and in 1920 the vessels documented were as follows:

Classes.	Number.	Tons.
Sailing vessels.....	402	6, 941
Gasoline boats.....	77	1, 303
Barges.....	2	374
Gasoline yachts.....	2	34
Total.....	483	8, 202

There were five gasoline boats with a gross tonnage of 165, estimated cost \$42,000, and one schooner with a gross tonnage of 548, estimated cost \$135,000, built in 1920.

BROAD CREEK, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1913.....	56, 632	\$1, 136, 800	1917.....	29, 180	\$800, 000
1914.....	40, 026	944, 450	1918.....	42, 007	1, 426, 775
1915.....	13, 503	314, 300	1919.....	35, 096	1, 692, 800
1916.....	23, 338	463, 020	1920.....	33, 680	1, 955, 706

[Navigation season: Mar. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
CARGOES IN TRANSIT.			CARGOES IN TRANSIT—CON.		
Animals and animal products, except wool and hair:			Wood and paper:		
Clams.....	513	\$41,040	Cordwood.....	3,018	\$12,072
Crabs, hard.....	2,250	180,000	Shingles.....	25	600
Crabs, soft.....	650	325,000	Nonmetallic minerals:		
Crab meat.....	100	100,000	Bricks.....	225	2,250
Fish, fresh.....	5,300	424,000	Cement.....	200	3,000
Fish, salt.....	200	16,000	Coal, anthracite.....	1,120	13,440
Oysters, in shell.....	1,000	22,500	Lime.....	88	1,056
Oysters, shucked.....	250	75,000	Oil, coal.....	35	1,260
Oyster shells.....	4,200	4,200	Oil, gasoline.....	175	15,001
			Oil, lubricating.....	4	320
Vegetable food products, oil- seeds, expressed oils, and beverages:			Ores, metals, and manufac- tures of, except machinery and vehicles:		
Berries.....	11	3,850	Cans, empty.....	41	4,100
Corn.....	28	1,764	Chemicals:		
Flour.....	250	30,000	Fertilizer and materials...	500	20,000
Fruit and farm produce...	5	250	Miscellaneous:		
Hay and feed.....	100	4,000	Building material.....	100	4,000
Potatoes.....	3,000	120,000	General merchandise.....	625	140,625
Seeds.....	1	400	Groceries.....	500	225,000
Tomatoes.....	9,166	164,988			
			Total.....	33,680	1,955,706

Vessel classification.

Classes.	American.	Draft.	Arrivals and departures.	Net registered tonnage.	Freight carried.
		<i>Feet.</i>			<i>Short tons.</i>
Registered:					
Power boats.....	50	3-6	295	850	8,850
Sailing vessels.....	225	3-6	750	3,200	17,150
Unregistered launches and sailing vessels...	¹ 325				7,680
Total.....	600		1,045	4,050	33,680

¹ Approximate.

This is a waterway connecting Pocomoke Sound with Little Annemessex River. There are no landings on the waterway. It is used as a short cut between points on the Pocomoke Sound and River to Crisfield. There are no means of obtaining absolutely accurate figures of the commerce passing through the waterway, so that the above figures, obtained from shippers and receivers in Crisfield, are as accurate as can be gotten unless a tallyman is employed on the waterway, which is impractical.

POCOMOKE RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896.....	32,076	\$522,990	(¹)	1909.....	74,459	\$5,354,154	(¹)
1897.....	31,728	608,991	(¹)	1910.....	75,199	6,407,218	2,758
1898.....	45,742	1,325,924	(¹)	1911.....	78,644	5,188,888	2,765
1899.....	50,866	1,644,021	(¹)	1912.....	91,775	5,396,580	2,793
1900.....	183,429	1,779,270	(¹)	1913.....	100,359	5,045,321	2,807
1902.....	47,733	1,409,504	(¹)	1914.....	33,772	1,390,091	2,663
1903.....	245,568	2,302,288	(¹)	1915.....	34,653	1,137,360	1,658
1904.....	246,223	2,314,411	(¹)	1916.....	32,552	1,117,446	1,031
1905.....	67,165	2,953,090	(¹)	1917.....	31,546	331,475	1,130
1906.....	65,710	3,022,840	(¹)	1918.....	25,364	944,845	(¹)
1907.....	67,024	4,532,782	(¹)	1919.....	23,547	1,547,420	796
1908.....	73,727	4,986,058	(¹)	1920.....	8,312	952,066	645

¹ No statistics available.

[Navigation season: Mar. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Oyster shells.....	500	.....	500	\$500	\$500	Miles. 35	Cents. (1)
Vegetable food products, oilseeds, expressed oils, and beverages.....	.....	.....	291	.....	26,940	.....	.....
Grain products.....	.....	255	.....	25,500	.....	150	(1)
Hay.....	.....	36	.....	1,440	.....	150	(1)
Wood and paper: Lumber.....	60	.....	60	1,200	1,200	150	(1)
Chemicals: Fertilizer and materials.....	.....	709	709	28,360	28,360	150	(1)
Miscellaneous: General merchandise.....	.....	1,792	1,792	403,200	403,200	150	(1)
Total.....	560	2,792	3,352	.....	460,200	.....	.....
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.....	.....	.....	691	.....	282,300	.....	.....
Oysters, shucked.....	.....	316	.....	94,800	.....	150	(1)
Poultry and live stock.....	.....	375	.....	187,500	.....	150	(1)
Vegetable food products, oilseeds, expressed oils, and beverages.....	.....	.....	2,240	.....	147,546	.....	.....
Agricultural products.....	.....	1,424	.....	85,440	.....	150	(1)
Canned goods.....	.....	335	.....	30,150	.....	150	(1)
Corn.....	.....	112	.....	7,056	.....	35	(1)
Grain products.....	.....	169	.....	16,900	.....	150	(1)
Potatoes.....	.....	200	.....	8,000	.....	35	(1)
Wood and paper.....	.....	.....	1,925	.....	38,640	.....	.....
Baskets, truck.....	.....	250	.....	7,500	.....	56	(1)
Cordwood.....	255	.....	.....	1,020	.....	73	(1)
Crates, empty.....	.....	86	.....	3,440	.....	56	2
Lumber.....	1,334	.....	.....	26,680	.....	77	4
Miscellaneous: General merchandise.....	.....	104	104	23,400	23,400	150	(1)
Total.....	1,589	3,371	4,960	.....	491,886	.....	.....
Total receipts and shipments.....	2,149	6,163	8,312	.....	952,086	.....	.....

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	1,191	\$282,800
Vegetable food products, oilseeds, expressed oils, and beverages.....	2,531	174,486
Wood and paper.....	1,985	39,840
Chemicals.....	709	28,360
Miscellaneous.....	1,896	426,600
Total.....	8,312	952,086

¹ No statistics available.

This is a decreased tonnage of 15,235 under that reported for 1919, due, it is claimed by commercial interest, to a shoal area at the mouth of the river, but it is believed to have been partly caused by a reduction in the schedule of steamers operated on this river by the Baltimore, Chesapeake & Atlantic Railway Co.

Vessel classification, 1920.

Classes.	Amer- ican.	Draft.	Arrivals and depart- ures.	Net regis- tered tonnage.	Freight carried, short tons.	Passen- gers.
Registered:		<i>Fect.</i>				
Steamers.....	1	7-8	78	492	5,375	645
Power boats.....	3	3-6	13	57	1,336	
Sailing vessels.....	12	3-6	21	257	1,601	
Unregistered launches ¹						
Total.....	16		112	806	8,312	645

¹ Numerous small motor boats are used for fishing and pleasure.**TWITCH COVE AND BIG THOROUGHFARE RIVER, MD.***Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	2,959	\$164,683	1,000	1917.....	8,392	\$443,405	1,000
1913.....	3,309	127,178	800	1918.....	8,418	439,570	1,200
1914.....	5,049	195,408	700	1919.....	9,690	555,965	1,400
1915.....	5,237	181,065	800	1920.....	12,104	1,430,703	1,500
1916.....	5,792	273,250	850				

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Vegetable food products, oilseeds, expressed oils, and beverages.....			395		\$34,560	<i>Miles.</i>	<i>Cents.</i>
Canned goods.....		28		\$2,520		12	(¹)
Flour.....		217		26,040		12	(¹)
Hay and feed.....		150		6,000		12	(¹)
Wood and paper.....			1,715		22,692		
Cordwood.....	713			2,852		55	(¹)
Lumber.....	1,002			20,040		49	(¹)
Nonmetallic minerals.....			593		21,327		
Coal, anthracite.....	285			3,420		40	(¹)
Coal, bituminous.....	37			333		12	(¹)
Cement.....		4		60		12	(¹)
Lime.....		4		48		12	(¹)
Oil, coal.....		96		3,427		12	(¹)
Oil, gasoline.....		131		11,226		12	(¹)
Oil, lubricating.....		35		2,800		12	(¹)
Salt.....		1		10		12	(¹)
Ores, metals, and manufac- tures of, except machin- ery and vehicles.....			18		2,810		
Cans, empty.....		1		90		12	(¹)
Iron and steel manufac- tures.....		17		2,720		12	(¹)
Chemicals: Fertilizer and materials.....		100	100	4,000	4,000	12	(¹)
Miscellaneous.....			1,442		298,830		
Building material.....		507		20,280		48	(¹)
General merchandise.....		632		142,200		12	(¹)
Groceries.....		303		136,350		12	(¹)
Total.....	2,037	2,226	4,263		384,419		

¹ No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.....			3, 576		\$529, 187	Miles.	Cents.
Crabs, hard.....		723		\$57, 840		12	(2)
Crabs, soft.....		750		375, 000		12	(2)
Eggs.....		1		500		12	(1)
Fish, fresh.....		301		24, 080		12	(2)
Oysters, shucked.....		234		70, 200		12	(2)
Oyster shells.....	1, 567			1, 567		38	(1)
Vegetable food products, oilseeds, expressed oils, and beverages.....			171		5, 589		
Corn.....		25		1, 575		12	(1)
Potatoes.....		63		2, 520		12	(1)
Tomatoes.....		83		1, 494		12	(1)
Total.....	1, 567	2, 180	3, 747		534, 776		
Total receipts and shipments.....	3, 604	4, 406	8, 010		919, 195		
LOCAL.							
Animals and animal products, except wool and hair.....			4, 094		511, 508		
Crabs, hard.....		723		57, 840		5	(2)
Crabs, soft.....		755		377, 500		5	(2)
Fish, fresh.....		301		24, 080		5	(2)
Oysters, in shell.....	2, 315			52, 088		5	(2)
Total.....	2, 315	1, 779	4, 094		511, 508		

¹ No statistics available.² Carried by owner.

SUMMARY.

Classes of commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.	3, 576	\$529, 187	4, 094	\$511, 508	7, 670	\$1, 040, 695
Vegetable food products, oilseeds, expressed oils, and beverages.	566	40, 149			566	40, 149
Wood and paper.	1, 715	22, 892			1, 715	22, 892
Nonmetallic minerals.	593	21, 327			593	21, 327
Ores, metals, and manufactures of, except machinery and vehicles.	18	2, 810			18	2, 810
Chemicals.	100	4, 000			100	4, 000
Miscellaneous.	1, 442	298, 830			1, 442	298, 830
Total.	8, 010	919, 195	4, 094	511, 508	12, 104	1, 430, 703

This is an increased tonnage of 2,414 over that reported for 1919.

Vessel classification, 1920.

Classes.	Amer- ican.	Draft.	Arrivals and depart- tures.	Net regis- tered tonnage.	Freight carried.	Passen- gers.
Registered:		<i>Feet.</i>			<i>Short tons.</i>	
Power boats.....	15	2-4	375	180	3,851	1,500
Sailing vessels	200	2-4	470	3,000	4,727	
Unregistered launches and sailing vessels.	1 250				3,526	
Total.....	465		845	3,180	12,104	1,500

¹ Approximate.

TANGIER CHANNEL, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1920.....	21,937	\$1,876,073	1,000

[Navigation season: May 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, COASTWISE.						
Animals and animal products, except wool and hair: Boots and shoes.....		50	50	\$150,000	\$150,000	<i>Miles.</i> 12
Vegetable food products, oilseeds, expressed oils, and beverages.....			1,067		70,134	
Berries.....		4		1,400		17
Canned goods.....		335		30,150		12
Corn.....		168		10,584		24
Flour.....		70		8,400		66
Hay and feed.....		40		1,600		66
Potatoes.....		450		18,000		47
Textiles: Clothing.....		200	200	200,000	200,000	12
Wood and paper.....			1,524		6,494	
Cordwood.....	1,504			6,014		20
Shingles.....		20		490		12
Nonmetallic minerals.....			1,340		27,360	
Bricks.....	450			4,500		115
Cement.....		80		1,200		12
Coal, anthracite.....	560			6,720		12
Oil, coal.....		113		4,034		12
Oil, gasoline.....		113		9,686		12
Oil, lubricating.....		14		1,120		12
Salt.....		10		100		120
Ores, metals, and manufactures of, except machinery and vehi- cles: Cans, empty.....		100	100	10,000	10,000	12
Miscellaneous.....			2,166		544,350	
General merchandise.....		1,366		307,350		71
Building material.....		300		12,000		12
Groceries.....		500		225,000		66
Total.....	2,514	3,933	6,447		1,008,338	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
SHIPMENTS, COASTWISE.						
Animals and animal products, ex- cept wool and hair.....			7,490		\$452,200	Miles.
Clams.....		125		\$10,000		12
Crabs, hard.....		1,875		150,000		12
Crabs, soft.....		120		60,000		12
Eggs.....		3		1,500		12
Fish, fresh.....		1,250		100,000		12
Oysters, in shell.....	4,000			90,000		71
Oysters, shucked.....		89		28,700		71
Poultry and live stock.....		28		14,000		130
Vegetable food products, oilseeds, expressed oils, and beverages:						
Agricultural products.....		11	11	660	660	130
Miscellaneous: General merchan- dise.....		19	19	4,275	4,275	130
Total.....	4,000	3,520	7,520		457,135	
Total receipts and shipments	6,514	7,453	13,967		1,465,473	
LOCAL. ¹						
Animals and animal products, ex- cept wool and hair.....			7,970		410,600	
Clams.....	125			10,000		5
Crabs, hard.....		1,875		150,000		5
Crabs, soft.....		120		60,000		5
Fish, fresh.....	1,250			100,000		5
Oysters, in shell.....	4,000			90,000		5
Oyster shells.....	600			600		5
Total.....	5,975	1,995	7,970		410,600	

¹ Carried by owner.

SUMMARY.

Classes of commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	7,540	\$602,200	7,970	\$410,600	15,510	\$1,012,800
Vegetable food products, oilseeds, expressed oils, and beverages.....	1,078	70,794			1,078	70,794
Textiles.....	200	200,000			200	200,000
Wood and paper.....	1,524	6,494			1,524	6,494
Nonmetallic minerals.....	1,340	27,360			1,340	27,360
Ores, metals, and manufactures of, except machinery and vehicles.....	100	10,000			100	10,000
Miscellaneous.....	2,185	548,625			2,185	548,625
Total.....	13,967	1,465,473	7,970	410,600	21,937	1,876,073

This being a new work provided for in the river and harbor act of March 2, 1919, no commercial statistics were procured for the calendar year 1919.

Vessel classification, 1920.

Classes.	Amer- ican.	Draft.	Arrivals and depart- tures.	Net regis- tered tonnage.	Freight carried.	Passen- gers.
Registered:		<i>Feet.</i>			<i>Short tons.</i>	
Power boats.....	15	2-3	470	135	7, 100	1, 000
Sailing vessels.....	200	2-3	850	3, 000	12, 737	
Unregistered launches and sailing vessels.	¹ 350				2, 100	
Total.....	565		1, 320	3, 135	21, 937	1, 000

¹ Approximate.

WASHINGTON, D. C., DISTRICT.

POTOMAC RIVER AT WASHINGTON, D. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1887.....	618, 972	(1)	(2)	1904.....	758, 150	(1)	(2)
1888.....	581, 575	(1)	(2)	1905.....	878, 823	(1)	(2)
1889.....	488, 680	(1)	(2)	1906.....	907, 430	\$8, 609, 860	(2)
1890.....	519, 696	(1)	(2)	1907.....	798, 989	7, 596, 494	(2)
1891.....	551, 219	(1)	(2)	1908.....	760, 737	7, 843, 130	(2)
1892.....	766, 954	(1)	(2)	1909.....	701, 907	11, 165, 319	(2)
1893.....	653, 433	(1)	(2)	1910.....	913, 540	13, 108, 073	823, 743
1894.....	644, 588	(1)	(2)	1911.....	795, 900	12, 995, 447	860, 569
1895.....	693, 450	(1)	(2)	1912.....	619, 946	13, 148, 636	774, 969
1896.....	723, 657	(1)	(2)	1913.....	823, 038	12, 141, 079	855, 507
1897.....	593, 684	(1)	(2)	1914.....	812, 284	11, 321, 910	696, 700
1898.....	645, 239	(1)	(2)	1915.....	741, 170	10, 138, 231	644, 249
1899.....	715, 549	(1)	(2)	1916.....	815, 941	9, 404, 660	526, 380
1900.....	661, 420	(1)	(2)	1917.....	837, 221	10, 639, 852	528, 173
1901.....	706, 551	(1)	(2)	1918.....	765, 693	8, 949, 574	500, 300
1902.....	672, 912	(1)	(2)	1919 ¹	1, 111, 959	24, 918, 557	562, 070
1903.....	782, 043	(1)	(2)	1920.....	993, 364	16, 206, 554	557, 741

¹ No statistics available.² None reported.³ Includes 83,520 tons, valued at \$14,515,950, traffic at navy yard, Anacostia River.

[Navigation season: Opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair.....			11, 725		\$1, 289, 170
Glue, raw.....		39		\$8, 500	
Fish.....		5, 566		890, 560	
Shellfish (oysters, clams, crabs, etc.).....		5, 798		260, 910	
Live stock.....		252		97, 200	
Poultry.....		70		32, 000	
Vegetable food products.....			5, 763		300, 506
Vegetables, miscellaneous.....		572		57, 200	
Peanuts.....		105		40, 318	
Tomatoes, canned.....		589		23, 560	
Wheat.....		180		12, 000	
Watermelons.....	4, 128			165, 120	
Potatoes.....		189		11, 310	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE—continued.					
Textiles: Printers' back blankets.....		53	53	\$164,666	\$164,666
Wood and paper.....			13,454		163,639
Pulp wood.....	2,714			20,355	
Cases, corrugated.....		270		2,500	
Cordwood.....	2,824			16,944	
Lumber.....	4,738			94,760	
Railroad ties.....	2,908			29,080	
Nonmetallic minerals.....			857,838		5,993,662
Coal, hard.....	39,607			368,432	
Coal, soft.....	93,962			657,734	
Gravel.....	296,069			356,283	
Sand.....	323,854			242,890	
Gasoline.....	28,386			2,451,522	
Kerosene.....	6,019			328,299	
Petroleum gas oil.....	34,665			1,219,247	
Petroleum fuel oil.....	5,115			173,918	
Bricks.....	21,425			171,400	
Crushed stone.....	8,736			34,944	
Chemicals: Fertilizer.....	1,483		1,483	59,320	59,320
Unclassified: General merchandise.....		22,396	22,396	5,313,836	5,313,836
Total receipts, coastwise.....	876,633	36,079	912,712		13,293,801
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair.....			20,026		70,520
Groceries.....		40		16,970	
Manure.....	800			2,400	
Oyster shells.....	19,055			9,528	
Boots and shoes.....		1		4,158	
Eggs.....		11		5,184	
Fish, salt.....		15		780	
Horses.....		15		5,000	
Meat.....		44		22,000	
Canned goods.....		45		4,500	
Vegetable food products.....			2,576		147,686
Feed.....		875		45,360	
Flour.....		112		15,235	
Molasses.....		13		2,700	
Potatoes.....		30		2,000	
Groceries.....		35		10,000	
Sugar.....		12		3,900	
Grain.....		351		14,040	
Hay.....		165		4,960	
Soft drinks.....		938		45,000	
Canned goods.....		45		4,500	
Textiles.....			23		11,600
Clothing.....		3		1,500	
Dry goods.....		20		10,000	
Wood and paper.....			800		67,906
Furniture.....		12		3,600	
Laths.....		3		100	
Lumber.....		345		13,900	
Millwork.....		35		3,000	
Roofing paper.....		22		880	
Shingles.....		8		300	
Building material, miscellaneous.....		375		46,125	
Nonmetallic minerals.....			47,076		365,388
Coal, hard.....	136			2,040	
Coal, soft.....	43,961			307,727	
Cement.....		320		3,872	
Gasoline.....		43		2,850	
Lime.....		100		2,650	
Kerosene.....		10		500	
Oil, lubricating.....		10		1,125	
Salt.....		12		384	
Building material.....		300		40,000	
Sand.....	400			800	
Gravel.....	1,773			3,260	
Brick.....	11			180	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Ores, metals, and manufactures: Iron and steel.....		307	307	\$32,884	\$32,884
Machinery and vehicles.....			52		20,811
Farm implements.....		10		6,500	
Locomotives.....		42		14,311	
Chemicals.....			127		40,060
Fertilizer.....		20		800	
Paint, etc.....		107		39,260	
Unclassified.....			9,565		2,156,000
General merchandise.....		9,265		2,126,000	
Miscellaneous.....		300		30,000	
Total.....	66,136	14,416	80,552		2,912,758
Total receipts and shipments.....	942,769	50,495	993,264		16,206,554

Cargoes in transit.¹

Commodities.	Amount in short tons.	Value.
Receipts: Naval ordnance, etc.....	861,560	\$861,560,000
Shipments: Naval ordnance, etc.....	957,164	957,164,000
Total.....	1,818,724	1,818,724,000

¹ Represents car-ferry traffic between navy yard, Anacostia River, and Indianhead, Md.

SUMMARY.

Classes of commodities.	Coastwise.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	31,751	\$1,359,090
Vegetable food products.....	8,339	457,193
Textiles.....	76	176,166
Wood and paper.....	14,254	231,544
Nonmetallic minerals.....	904,914	6,359,050
Ores, metals, and manufactures.....	307	32,884
Machinery and vehicles.....	52	20,811
Chemicals.....	1,610	99,380
Unclassified.....	31,961	7,469,836
Total.....	993,264	16,206,554

Cargoes in transit, short tons, 1,818,724; value, \$1,818,724,000.

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	3,697	1,056,001	557,741
Sailing.....	370	26,638	
Barges.....	142	116,120	
Unregistered:			
Canal boats.....	765	197,500	
Scows.....	2,837	555,400	
Total.....	7,811	1,951,659	557,741

ANACOSTIA RIVER, D. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910.....	292,259	\$15,184,591	30,464	1916.....	326,707	\$19,213,189	30,394
1911.....	335,347	31,567,750	10,000	1917.....	226,911	15,178,588	60,000
1912.....	371,181	17,706,954	23,629	1918.....	297,474	21,523,006	41,079
1913.....	358,919	21,684,063	14,071	1919 ¹			
1914.....	324,504	20,702,184	23,919	1920 ²	156,333	4,942,424	63,826
1915.....	277,787	19,430,232	18,465				

¹ Commerce for 1919 reported under "Potomac River at Washington, D. C."

² Statistics for 1920 are exclusive of car ferry traffic to and from navy yard to lower Potomac River points.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals.....			142,996		\$963,009
Sand.....	56,908			\$41,634	
Gravel.....	56,397			68,768	
Coal.....	6,314			50,472	
Crushed stone.....	153			452	
Oil, gas-making.....	22,724			799,283	
Brick.....	500			2,400	
Unclassified: General merchandise.....		9,853	9,853	2,353,250	2,353,250
Total.....	142,996	9,853	152,849		3,316,259
SHIPMENTS, COASTWISE.					
Ores, metals and manufactures: Naval ordnances, etc.....		409	409	857,415	857,415
Unclassified: General merchandise.....		3,075	3,075	768,750	768,750
Total.....		3,484	3,484	1,626,165	1,626,165
Total receipts and shipments.....	142,996	13,337	156,333		4,942,424

Railroad car ferry traffic (between navy yard and Indianhead).

Commodities.	Amounts in short tons.	Value.
Receipts, naval ordnance, etc.....	861,500	\$861,500,000
Shipments, naval ordnance, etc.....	957,164	957,164,000
Total.....	1,818,724	1,818,724,000

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Nonmetallic minerals.....	142,996	\$963,009
Ores, metals, and manufactures.....	409	857,415
Unclassified.....	12,928	3,122,000
Total.....	156,333	4,942,424

Car ferry, short tons, 1,818,724; value, \$1,818,724,000.

Vessel classification.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	1,339	523,012	63,826
Barges.....	1,935	883,800	.....
Unregistered:			
Canal boats.....	48	5,376	.....
Scows.....	568	113,600	.....
Total.....	3,890	1,526,788	63,826

POTOMAC RIVER AT ALEXANDRIA, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1909.....	331,049	\$3,582,200	(¹)	1915.....	138,660	\$3,121,869	12,340
1910.....	198,443	4,875,176	10,432	1916.....	113,552	3,128,708	10,800
1911.....	212,560	4,672,753	84,320	1917.....	108,031	3,168,020	29,303
1912.....	197,562	4,474,349	12,395	1918.....	191,349	2,914,008	4,978
1913.....	167,552	3,332,884	12,492	1919.....	225,351	3,061,576	7,428
1914.....	182,858	3,823,076	13,625	1920.....	154,339	2,201,565	9,100

¹ None reported.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products: Farm produce.....		568	568	\$39,760	\$39,760
Animals and animal products: Oyster shells.....	5,055		5,055	2,028	2,028
Wood and paper: Pulp wood.....	20,000		20,000	120,000	120,000
Nonmetallic minerals.....			74,147		363,801
Coal.....	16,139			155,217	
Gravel.....	20,288			24,346	
Sand.....	30,377			22,783	
Brimstone.....	1,050			20,843	
Pyrites, ore.....	3,363			20,514	
Nonmetallic minerals: Oil and gasoline.....	2,930			120,098	
Chemicals.....			35,244		579,911
Kainite.....	904			24,634	
Nitrate of soda.....	740			57,720	
Phosphate rock.....	33,600			497,557	
Unclassified: General merchandise.....		1,518	1,518	328,400	328,400
Total.....	134,446	2,086	136,532		1,433,900
SHIPMENTS, COASTWISE.					
Vegetable food products: Hay, grain and feed.....		1,813	1,813	99,460	99,460
Wood and paper: Lumber.....	1,000	132	1,132	27,920	27,920
Nonmetallic minerals.....			8,173		46,040
Cement and lime.....		338		6,750	
Coal.....	7,728	107		39,290	
Chemicals: Fertilizer.....		2,477	2,477	76,960	76,960
Unclassified.....			4,212		517,285
General merchandise.....		3,412		509,285	
Ice.....		800		8,000	
Total.....	8,728	9,079	17,807		767,665
Total receipts and shipments.....	143,174	11,165	154,339		2,201,565

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products.....	5,055	\$2,028
Vegetable food products.....	2,381	139,220
Wood and paper.....	21,132	147,920
Non-metallic minerals.....	82,320	409,841
Chemicals.....	37,721	656,871
Unclassified.....	5,730	845,685
Total.....	154,339	2,201,565

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers.....	1,474	2	1,476	997,936	9,100
Sailing.....	500		500	20,000	
Barges.....	13		13	7,200	
Unregistered:					
Canal boats.....	126		126	14,112	
Scows.....	285		285	43,290	
Total.....	2,398	2	2,400	1,062,528	9,100

POTOMAC RIVER AT LOWER CEDAR POINT, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1909.....	1,278	\$102,550	(¹)	1915.....	2,098	\$141,400	757
1910.....	1,107	112,357	1,062	1916.....	2,134	129,150	780
1911.....	1,755	120,392	1,200	1917.....	2,315	124,745	630
1912.....	1,690	98,154	(²)	1918.....	1,909	185,340	500
1913.....	1,761	108,630	295	1919.....	(¹)	(¹)	215
1914.....	1,672	112,630	690	1920.....	499	82,635	(²)

¹ No statistics available.² None reported.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commod- ities.	Amount in short tons by classes.	Value.	
			By com- modities.	By classes.
RECEIPTS, COASTWISE.				
Vegetable food products: Grain.....	45	45	\$3, 150	\$3, 150
Wood and paper: Lumber.....	11	11	660	660
Chemicals: Fertilizer.....	24	24	1, 680	1, 680
Unclassified: General merchandise.....	221	221	27, 625	27, 625
Total.....	301	301	.....	33, 115
SHIPMENTS, COASTWISE.				
Animal and animal products.....		132		43, 800
Fish and oysters.....	50		11, 000	
Poultry and live stock.....	82		32, 800	
Vegetable food products: Vegetables, miscellaneous....	46	46	3, 220	3, 220
Unclassified: General merchandise.....	20	20	2, 500	2, 500
Total.....	198	198	.....	49, 520
Total receipts and shipments.....	499	499	.....	82, 635

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products.....	132	\$43, 800
Vegetable food products.....	91	6, 370
Wood and paper.....	11	660
Chemicals.....	24	1, 680
Unclassified.....	241	30, 125
Totals.....	499	82, 635

Vessel classification.

Classes.	Ameri- can.	Net regis- tered ton- nage.
Registered steamers.....	100	65, 850
Total.....	100	65, 850

OCCOQUAN CREEK, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891.....	8, 205	(1)	(2)	1907.....	26, 588	\$66, 647	(2)
1892.....	56, 705	(1)	(2)	1908.....	25, 658	101, 931	(2)
1894.....	8, 900	(1)	(2)	1909.....	32, 701	266, 917	(2)
1895.....	10, 475	(1)	(2)	1910.....	8, 614	53, 883	(2)
1896.....	41, 670	(1)	(2)	1911.....	32, 397	120, 845	(2)
1897.....	15, 535	(1)	(2)	1912.....	49, 558	140, 962	(2)
1898.....	29, 865	(1)	(2)	1913.....	57, 590	161, 890	(2)
1900.....	69, 400	(1)	(2)	1914.....	35, 652	131, 380	1, 200 7
1901.....	20, 220	(1)	(2)	1915.....	57, 739	259, 361	
1902.....	13, 049	(1)	(2)	1916.....	21, 440	218, 665	(2)
1903.....	16, 245	(1)	(2)	1917.....	33, 745	256, 485	(2)
1904.....	25, 880	(1)	(2)	1918.....	17, 808	513, 069	(2)
1905.....	109, 490	(1)	(2)	1919.....	22, 365	285, 118	(2)
1906.....	26, 300	\$150, 000	(2)	1920.....	29, 442	652, 214	(2)

1 No statistics available.

2 None reported.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animal and animal products, except wool and hair.....			7,971		\$64,492
Boots and shoes.....		1		\$4,158	
Canned goods.....		45		4,500	
Eggs.....		11		5,184	
Fish, salt.....		15		780	
Horses.....		15		5,000	
Manure.....	800			2,400	
Meat.....		44		22,000	
Shells, oyster.....	7,000			3,500	
Groceries.....		40		16,970	
Vegetable food products.....			1,112		\$2,495
Feed.....		875		45,360	
Flour.....		102		14,035	
Groceries.....		35		10,000	
Molasses.....		13		2,700	
Potatoes.....		30		2,000	
Sugar.....		12		3,900	
Canned goods.....		45		4,500	
Textiles.....			23		11,500
Clothing.....		3		1,500	
Dry goods.....		20		10,000	
Wood and paper.....			775		71,405
Furniture.....		12		3,600	
Building material.....		375		51,125	
Laths.....		3		100	
Lumber.....		320		12,400	
Millwork.....		25		3,000	
Roofing paper.....		22		880	
Shingles.....		8		300	
Nonmetallic minerals.....			8,523		\$3,567
Building material.....		300		40,000	
Coal, anthracite.....	336			2,722	
Coal, soft.....	7,392			34,964	
Cement.....		320		3,872	
Gasoline.....		43		2,850	
Lime.....		100		2,650	
Kerosene.....		10		5,000	
Oil, lubricating.....		10		1,125	
Salt.....		12		384	
Ores, metals, and manufactures: Iron.....		307	307	32,884	\$2,884
Machinery and vehicles.....			52		20,811
Farm implements.....		10		6,500	
Locomotives.....		42		14,311	
Chemicals.....			127		40,000
Fertilizer.....		20		800	
Paint, etc.....		107		39,260	
Unclassified.....			800		140,800
General merchandise.....		500		110,800	
Miscellaneous.....		300		30,000	
Total.....	15,528	4,162	19,690		558,014
SHIPMENTS, COASTWISE.					
Animals and animal products: Hogs, live and dressed.....		2	2	1,200	1,200
Wood and paper.....			1,950		45,000
Lumber.....	500			10,000	
Railroad ties.....	2,000			20,000	
Piles ¹	1,250			15,000	
Nonmetallic minerals: Brick.....	6,000		6,000	48,000	48,000
Total.....	9,750	2	9,752		94,200
Total receipts and shipments.....	25,278	4,164	29,442		652,214

¹ Rafted.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	7, 973	\$65, 692
Vegetable food products.....	1, 112	82, 495
Textiles.....	23	11, 500
Wood and paper.....	4, 525	116, 405
Nonmetallic minerals.....	14, 523	141, 567
Ores, metals, and manufactures.....	307	32, 894
Machinery and vehicles.....	52	20, 511
Chemicals.....	127	40, 060
Unclassified.....	800	140, 800
Total.....	29, 442	652, 214

Vessel classification.

Classes.	Ameri- can.	Net register- ed tonnage.
Registered:		
Steamers.....	120	5, 760
Sailing.....	30	1, 500
Unregistered:		
Scows.....	240	36, 000
Rafts.....	20	.....
Total.....	410	43, 260

AQUIA CREEK, VA.

No commercial statistics were collected for the calendar year 1920, for the reason that no work was done and none is proposed for the fiscal year 1922-23. It is believed, however, that the commerce for the calendar year 1918, as reported in the Annual Report for 1919, page 562, will about represent the commerce for the calendar year 1920.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1916.....	20, 703	\$121, 140	1919 ¹.....	.....	.....
1917.....	8, 155	71, 305	1920 ¹.....	.....	.....
1918.....	24, 615	256, 756			

¹ No statistics available.

RAPPAHANNOCK RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	83,830	(1)	(1)	1906.....	363,911	\$4,150,000	(1)
1892.....	126,333	(1)	(1)	1907.....	373,860	5,870,700	(1)
1893.....	141,750	(1)	(1)	1908.....	395,842	6,485,797	(1)
1894.....	144,070	(1)	(1)	1909.....	397,210	6,462,912	(1)
1895.....	151,466	(1)	(1)	1910.....	261,260	7,743,350	(1)
1896.....	161,196	(1)	(1)	1911.....	220,333	6,368,098	47,805
1897.....	158,108	(1)	(1)	1912.....	227,505	6,876,478	41,586
1898.....	166,586	(1)	(1)	1913.....	251,070	6,657,899	45,192
1899.....	167,862	(1)	(1)	1914.....	206,936	6,327,405	44,631
1900.....	190,827	(1)	(1)	1915.....	233,161	6,458,144	40,887
1901.....	213,408	(1)	(1)	1916.....	195,842	6,014,763	40,262
1902.....	244,365	(1)	(1)	1917.....	147,922	7,008,459	64,543
1903.....	268,803	(1)	(1)	1918.....	97,271	7,677,822	46,590
1904.....	395,202	(1)	(1)	1919.....	168,741	9,174,379	50,806
1905.....	430,626	(1)	(1)	1920.....	175,944	13,407,951	52,325

¹ No statistics collected.

[Navigation season opened, Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products: Fish for oil.	4,364		4,364	\$52,368	\$52,368
Vegetable food products: Hay, grain, and feed		2,963	2,963	200,650	200,650
Wood and paper			2,777		283,620
Packing cases		1,800		225,000	
Lumber		977		58,620	
Nonmetallic minerals:					
Coal	3,000	1,363	6,255	41,310	145,471
Brick		51		900	
Petroleum products		1,841		103,261	
Ores, metals, and manufactures: Iron and steel		278	278	33,360	33,360
Chemicals: Fertilizer		2,655	2,655	175,850	175,850
Unclassified: General merchandise		18,190	18,190	2,273,750	2,273,780
Total	7,364	30,118	37,482		3,165,060
SHIPMENTS, COASTWISE.					
Animals and animal products			25,523		6,341,660
Fish and oysters		18,556		4,075,360	
Fish scrap		1,500		127,500	
Fish oil		240		48,000	
Live stock and poultry		5,227		2,090,800	
Vegetable food products			9,055		666,850
Farm produce		8,455		591,850	
Grain		600		75,000	
Wood and paper			80,143		1,076,637
Lumber	42,000			842,400	
Pulp wood	34,548			201,288	
Railroad ties	3,595			35,949	
Nonmetallic minerals			4,154		41,540
Lime		2,934		29,340	
Brick	1,220			12,200	
Unclassified			19,587		2,113,196
Canned goods		14,473		578,920	
General merchandise		5,114		1,534,275	
Total	81,363	57,099	138,462		10,242,882
Total receipts and shipments	88,727	87,217	175,944		13,407,951

¹ Includes vegetables, fish, etc.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animal and animal products.....	29,887	\$6,394,028
Vegetable food products.....	12,018	887,500
Wood and paper.....	82,920	1,363,267
Nonmetallic minerals.....	10,409	187,011
Ores, metals, and manufactures.....	2,278	33,340
Chemicals.....	2,665	175,850
Unclassified.....	37,777	4,386,946
Total.....	175,944	13,407,951

Vessel classification.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	1,275	688,891	52,325
Sailing.....	890	77,173	.....
Barges.....	85	38,438	.....
Total.....	2,240	804,502	52,325

URBANNA CREEK, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891.....	22,100	(1)	(1)	1907.....	23,779	\$589,320	(1)
1892.....	17,125	(1)	(1)	1908.....	29,000	991,503	(1)
1893.....	61,280	(1)	(1)	1909.....	31,877	1,063,550	(1)
1894.....	88,305	(1)	(1)	1910.....	20,572	490,404	1,948
1895.....	92,320	(1)	(1)	1911.....	21,810	429,920	1,937
1896.....	133,925	(1)	(1)	1912.....	18,158	387,640	2,265
1897.....	181,500	(1)	(1)	1913.....	18,295	430,738	2,192
1900.....	179,414	(1)	(1)	1914.....	14,680	366,578	2,034
1901.....	494,200	(1)	(1)	1915.....	16,527	339,861	2,647
1902.....	538,100	(1)	(1)	1916.....	16,817	393,892	2,053
1903.....	740,200	(1)	(1)	1917.....	11,089	499,538	2,299
1904.....	1,036,525	(1)	(1)	1918.....	9,725	608,296	2,638
1905.....	803,910	(1)	(1)	1919.....	17,625	816,290	2,496
1906.....	35,185	\$680,000	(1)	1920.....	10,603	791,180	2,325

¹ No statistics available.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products: Grain.....		226	226	\$15,820	\$15,820
Wood and paper.....			664		78,840
Packing cases.....		600		75,000	
Lumber.....		64		3,840	
Nonmetallic minerals.....			1,700		72,726
Coal.....	740			5,920	
Petroleum products.....		960		66,806	
Chemicals: Fertilizer.....		250	250	7,500	7,500
Unclassified: General merchandise.....		2,158	2,158	269,750	269,750
Total.....	740	4,258	4,998		444,636
SHIPMENTS, COASTWISE.					
Animal and animal products.....			985		261,760
Poultry and live stock.....		289		115,600	
Fish and oysters.....		696		146,160	
Vegetable food products.....			394		23,870
Farm produce.....		271		18,970	
Canned tomatoes.....		123		4,900	
Wood and paper.....			4,164		53,164
Lumber.....	2,000	370		42,400	
Pulp wood.....	1,794			10,764	
Unclassified: General merchandise.....		62	62	7,750	7,750
Total.....	3,794	1,811	5,605		346,544
Total receipts and shipments.....	4,534	6,069	10,603		791,180

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products.....	985	\$261,760
Vegetable food products.....	620	39,690
Wood and paper.....	4,828	132,004
Nonmetallic minerals.....	1,700	72,726
Chemicals.....	250	7,500
Unclassified.....	2,220	277,500
Total.....	10,603	791,180

Vessel classification.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	372	204,600	2,335
Sailing.....	79	3,160	
Total.....	451	207,760	2,335

MATTAPONI RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	32,650	(1)	(1)	1908.....	95,069	\$1,329,548	(1)
1891.....	52,060	(1)	(1)	1909.....	86,087	1,655,737	(1)
1892.....	32,690	(1)	(1)	1910.....	102,982	1,401,431	(1)
1893.....	36,420	(1)	(1)	1911.....	73,540	1,073,966	(1)
1894.....	39,300	(1)	(1)	1912.....	83,560	1,220,343	(1)
1899.....	44,700	(1)	(1)	1913.....	73,277	1,103,030	(1)
1900.....	42,500	(1)	(1)	1914.....	60,190	685,693	(1)
1901.....	12,064	(1)	(1)	1915.....	52,737	811,030	2,680
1902.....	270,045	(1)	(1)	1916.....	84,164	1,068,764	2,095
1903.....	22,000	(1)	(1)	1917.....	77,163	908,108	1,790
1904.....	43,400	(1)	(1)	1918.....	94,841	1,092,046	880
1906.....	79,535	\$827,000	(1)	1919.....	63,809	915,493	646
1907.....	87,260	927,416	(1)	1920.....	72,005	1,012,400	750

¹ No statistics available.

ABOVE WALKERTON.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products: Agricultural lime.....		900	900	\$6,750	6,750
Chemicals: Fertilizer.....		265	265	7,950	7,950
Unclassified: General merchandise.....		440	440	88,000	88,000
Total.....		1,605	1,605		\$102,700
SHIPMENTS, INTERNAL.					
Vegetable food products: Farm produce.....		600	600	45,000	45,000
Wood and paper.....			20,420		187,100
Lumber.....	8,500			127,500	
Pulpwood.....	11,920			59,600	
Total.....	20,420	600	21,020		232,100
Total receipts and shipments.....	20,420	2,205	22,625		334,800

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products.....	900	\$6,750
Vegetable food products.....	600	45,000
Wood and paper.....	20,420	187,100
Chemicals.....	265	7,950
Unclassified.....	440	88,000
Total.....	22,625	334,800

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	110	11,000	250
Sailing.....	40	2,400	.....
Barges.....	11	4,950	.....
Unregistered, lighters.....	100	3,000	.....
Total.....	261	21,350	250

BELOW WALKERTON.

[Navigation season opened, Jan. 1, 1920, closed Dec. 31, 1920.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Wood and paper: Packing cases.....		200	200	\$21,000	\$21,000
Nonmetallic minerals: Coal.....	250		250	3,000	3,000
Animals and animal products: Agricul- tural lime.....		600	600	4,500	4,500
Chemicals: Fertilizer.....		300	300	9,000	9,000
Unclassified: General merchandise.....		800	800	160,000	160,000
Total.....	250	1,900	2,150		198,100
SHIPMENTS, INTERNAL.					
Vegetable food products.....			1,330		108,000
Canned goods.....		650		82,000	
Farm products.....		680		51,000	
Wood and paper.....			45,900		376,500
Lumber.....	11,500			172,500	
Pulp wood.....	28,000			140,000	
Railroad ties.....	6,400				
Total.....	45,900	1,330	47,230		479,500
Total receipts and shipments.....	46,150	3,230	49,380		677,600

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animal and animal products.....	600	\$4,500
Vegetable food products.....	1,330	108,000
Wood and paper.....	46,100	398,100
Nonmetallic minerals.....	250	3,000
Chemicals.....	300	9,000
Unclassified.....	800	160,000
Total.....	49,380	677,600

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	170	20,240	500
Sailing.....	80	4,800	
Barges.....	30	13,500	
Unregistered, lighters.....	160	4,800	
Total.....	440	43,340	500

PAMUNKEY RIVER, VA.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1893.....	50,420	(¹)	1912.....	38,309	\$264,890
1894.....	42,250	(¹)	1913.....	36,990	236,257
1895.....	44,600	(¹)	1914.....	35,703	194,953
1906.....	39,558	\$295,000	1915.....	47,004	212,343
1907.....	41,533	304,426	1916.....	42,894	276,579
1908.....	49,107	559,516	1917.....	37,885	282,562
1909.....	59,961	514,144	1918.....	42,727	465,404
1910.....	36,616	239,940	1919.....	31,669	304,514
1911.....	52,649	310,386	1920.....	32,840	303,200

¹ No passenger traffic on river.**ABOVE WHITEHOUSE.**

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.*	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products: Agricul- tural lime.....		200	200	\$1, 800	\$1, 800
Chemicals: Fertilizer.....		60	60	1, 800	1, 800
Total.....		260	260		3, 600
SHIPMENTS, INTERNAL.					
Vegetable food products: Grain.....		340	340	21, 250	21, 250
Wood and paper.....			18, 900		139, 000
Lumber.....	4, 000			60, 000	
Pulp wood.....	14, 000			70, 000	
Railroad ties.....	900			9, 000	
Total.....	18, 900	340	19, 240		160, 250
Total receipts and shipments.....	18, 900	600	19, 500		163, 850

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products.....	200	\$1,800
Vegetable food products.....	340	21,250
Wood and paper.....	18,900	139,000
Chemicals.....	60	1,800
Total.....	19,500	163,850

Vessel classification.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	142	3,050
Sailing.....	27	1,250
Barges.....	5	2,250
Unregistered, lighters.....	200	6,000
Total.....	374	12,550

BELOW WHITEHOUSE.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products: Agricul- tural lime.....		100	100	\$900	\$900
Chemicals: Fertilizer.....		40	40	1, 200	1, 200
Total.....		140	140	.....	2, 100
SHIPMENTS, INTERNAL.					
Vegetable food products: Grain.....		100	100	6, 250	6, 250
Wood and paper.....			13, 100		131, 000
Lumber.....	6, 000			90, 000	
Pulp wood.....	6, 000			30, 000	
Railroad ties.....	1, 100			11, 000	
Total.....	13, 100	100	13, 200	.....	137, 250
Total receipts and shipments.....	13, 100	240	13, 340	.....	139, 350

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products.....	100	\$900
Vegetable food products.....	100	6,250
Wood and paper.....	13,100	131,000
Chemicals.....	40	1,200
Total.....	13,340	139,350

Vessel classification.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	100	2,250
Sailing.....	13	650
Barges.....	15	6,750
Unregistered, lighters.....	162	4,800
Total.....	290	14,510

WHOLE RIVER.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products: Agricul- tural lime.....		1,500	1,500	\$11,250	\$11,250
Wood and paper: Packing cases.....		200	200	21,600	21,600
Nonmetallic minerals: Coal.....	250		250	3,000	3,000
Chemicals: Fertilizer.....		565	565	16,950	16,950
Unclassified: General merchandise.....		1,240	1,240	248,000	248,000
Total.....	250	3,505	3,755	.....	300,800
SHIPMENTS, INTERNAL.					
Vegetable food products.....			1,930		148,000
Farm produce.....		1,280		96,000	
Canned vegetables.....		650		52,000	
Wood and paper.....			66,320		563,600
Lumber.....	20,000			300,000	
Pulp wood.....	39,920			199,600	
Railroad ties.....	6,400			64,000	
Total.....	66,320	1,930	68,250	.....	711,600
Total receipts and shipments.....	66,570	5,435	72,005	.....	1,012,400

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products.....	200	\$1,800
Vegetable food products.....	340	21,250
Wood and paper.....	18,900	139,000
Chemicals.....	60	1,800
Total.....	19,500	163,850

Vessel classification.

Classes.	Ameri- can.	Net regis- tered tonnage.
Registered:		
Steamers.....	142	3,050
Sailing.....	27	1,260
Barges.....	5	2,250
Unregistered, lighters.....	200	6,000
Total.....	374	12,550

BELOW WHITEHOUSE.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products: Agricul- tural lime.....		100	100	\$900	\$900
Chemicals: Fertilizer.....		40	40	1,200	1,200
Total.....		140	140		2,100
SHIPMENTS, INTERNAL.					
Vegetable food products: Grain.....		100	100	6,250	6,250
Wood and paper.....			13,100		131,000
Lumber.....	6,000			90,000	
Pulp wood.....	6,000			30,000	
Railroad ties.....	1,100			11,000	
Total.....	13,100	100	13,200		137,250
Total receipts and shipments.....	13,100	240	13,340		139,350

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products.....	100	\$900
Vegetable food products.....	100	6,250
Wood and paper.....	13,100	131,000
Chemicals.....	40	1,200
Total.....	13,340	139,350

Vessel classification.

Classes.	Ameri- can.	Net regis- tered tonnage.
Registered:		
Steamers.....	100	2,250
Sailing.....	13	650
Barges.....	15	6,750
Unregistered, lighters.....	162	4,800
Total.....	290	14,510

WHOLE RIVER.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products: Agricultural lime.....		1,500	1,500	\$11,250	\$11,250
Wood and paper: Packing cases.....		200	200	21,600	21,600
Nonmetallic minerals: Coal.....	250		250	3,000	3,000
Chemicals: Fertilizer.....		565	565	16,950	16,950
Unclassified: General merchandise.....		1,240	1,240	248,000	248,000
Total.....	250	3,505	3,755		300,800
SHIPMENTS, INTERNAL.					
Vegetable food products.....			1,930		148,000
Farm produce.....		1,280		96,000	
Canned vegetables.....		650		52,000	
Wood and paper.....			66,320		563,600
Lumber.....	20,000			300,000	
Pulp wood.....	39,920			199,600	
Railroad ties.....	6,400			64,000	
Total.....	66,320	1,930	68,250		711,600
Total receipts and shipments.....	66,570	5,435	72,005		1,012,400

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products.....	1,500	\$11,250
Vegetable food products.....	1,930	148,000
Wood and paper.....	66,520	585,200
Nonmetallic minerals.....	250	3,000
Chemicals.....	565	16,950
Unclassified.....	1,240	248,000
Total.....	72,005	1,012,400

Vessel classification.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers.....	280	31,240	750
Sailing.....	120	7,200	.....
Barges.....	41	18,450	.....
Unregistered, lighters.....	260	7,800	.....
Total.....	701	64,690	750

WHOLE RIVER.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products: Agricul- tural lime.....		300	300	\$2, 700	\$2, 700
Chemicals: Fertilizer.....		100	100	3, 000	3, 000
Total.....		400	400	.....	5, 700
SHIPMENTS, INTERNAL.					
Vegetable food products: Grain.....		440	440	27, 500	27, 500
Wood and paper.....			32, 000	.....	270, 000
Lumber.....	10, 000	.....	.....	150, 000	.....
Pulp wood.....	20, 000	.....	.....	100, 000	.....
Railroad ties.....	2, 000	.....	.....	20, 000	.....
Total.....	32, 000	440	32, 440	.....	297, 500
Total receipts and shipments.....	32, 000	840	32, 840	.....	303, 200

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products.....	300	\$2,700
Vegetable food products.....	440	27,500
Wood and paper.....	32,000	270,000
Chemicals.....	100	3,000
Total.....	32,840	303,200

Vessel classification.

Classes.	Ameri- can.	Net registered tonnage.
Registered:		
Steamers.....	242	5,300
Sailing.....	40	2,000
Barges.....	20	9,000
Unregistered, lighters.....	362	10,860
Total.....	664	27,160

CARTERS CREEK, VA.

Comparative statement of traffic.

Year.	Tons.	Value.
1908.....	58,285	(1)
1909.....	68,842	(1)
1920.....	22,914	\$1,149,086

¹ No statistics available. No statistics available 1910 to 1919.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products: Grain.....		342	342	\$23, 940	\$23, 940
Wood and paper: Lumber.....		92	92	5, 520	5, 520
Nonmetallic minerals.....			876		24, 525
Brick.....		51		900	
Coal.....	323			3, 350	
Petroleum products.....	502			20, 275	
Chemicals: Fertilizer.....		401	401	28, 070	28, 070
Unclassified: General merchandise.....		1, 687	1, 687	210, 875	210, 875
Total.....	825	2, 573	3, 398		292, 930
SHIPMENTS, COASTWISE.					
Animals and animal products.....			11, 517		2, 626, 800
Fish and oysters.....	8, 000	3, 000		2, 420, 000	
Poultry and live stock.....		517		206, 800	
Vegetable food products: Farm produce.....		986	986	69, 020	69, 020
Nonmetallic minerals.....			4, 154		41, 540
Brick.....	1, 220			12, 200	
Lime.....	2, 934			29, 340	
Unclassified.....			2, 709		115, 500
Canned goods.....		2, 625		105, 000	
General merchandise.....		84		10, 500	
Total.....	12, 154	7, 212	19, 366		2, 852, 860
Total receipts and shipments.....	12, 979	9, 785	22, 764		3, 145, 790

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products.....	11, 517	\$2, 626, 800
Vegetable food products.....	1, 328	92, 960
Wood and paper.....	92	5, 520
Nonmetallic minerals.....	5, 030	66, 065
Chemicals.....	401	28, 070
Unclassified.....	4, 396	326, 375
Total.....	22, 764	3, 145, 790

Vessel classification.

Classes.	Ameri- can.	Net registered tonnage.
Registered:		
Steamers.....	403	234, 291
Sailing.....	301	34, 013
Barges.....	2	1, 068
Total.....	706	269, 372

POROPOTANK CREEK, VA.

Comparative statement of traffic.

No statistics available for previous years.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Unclassified: General merchandise and fertilizer.....		1,000	1,000	\$250,000	\$250,000
SHIPMENTS, COASTWISE.					
Wood and paper.....			28,862		345,600
Cordwood.....	450			3,600	
Lumber.....	7,612			174,000	
Pulpwood.....	20,000			160,000	
Railroad ties.....	800			8,000	
Total.....	28,862		28,862		345,600
Total receipts and shipments.....	28,862	1,000	29,862		595,600

SUMMARY.

Classes of commodities.	Tons.	Value.
Wood and paper.....	28,862	\$345,600
Unclassified.....	1,000	250,000
Total.....	29,862	595,600

Vessel classification.

Classes.	Ameri- can.	Net regis- tered ton- nage.
Registered:		
Sailing.....	64	5,120
Barges.....	5	2,250
Unregistered scows.....	200	40,000
Total.....	269	47,370

LITTLE WICOMICO RIVER, VA.

Comparative statement of traffic.

No statistics available for previous years.

[Navigation season, opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities (package).	By classes.	By commodities.	By classes.
SHIPMENTS, COASTWISE.				
Animals and animal products.....		2,307		\$51,000
Fish and oysters.....	2,300		\$46,000	
Poultry and eggs.....	7		5,000	
Vegetable food products.....		488		25,750
Potatoes.....	300		15,000	
Wheat.....	60		4,000	
Corn.....	112		6,000	
Oats.....	16		750	
Total.....	2,795	2,795		76,750

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	2,307	\$51,000
Vegetable food products.....	488	25,750
Total.....	2,795	76,750

Vessel classification.

Data very indefinite. Practically all commerce carried on in gasoline power boats and sailboats.

NORFOLK, VA., DISTRICT.

NORFOLK HARBOR, VA.

Comparative statement of traffic.

Year.	Short tons.	Value.	In transit.		Railroad car ferry.	
			Short tons.	Value.	Short tons.	Value.
1888.....	1,914,506	(1)				
1889.....	2,243,087	(1)				
1890.....	2,384,841	(1)				
1891.....	2,931,751	(1)				
1892.....	3,427,189	(1)				
1893.....	3,584,727	(1)				
1894.....	4,545,049	\$60,656,468				
1895.....	5,013,185	(1)				
1896.....	5,986,636	171,147,603				
1897.....	9,430,526	(1)				
1898.....	6,510,201	519,953,995				
1899.....	6,260,284	(1)				
1900.....	5,538,051	219,682,236				
1901.....	7,761,356	451,018,751				
1902.....	7,851,108	477,250,525				
1903.....	9,478,900	640,820,806				
1904.....	10,780,972	820,708,600				
1905.....	10,914,378	546,514,175				
1906.....	15,662,080	628,380,721				
1907.....	13,648,849	597,950,881				
1908.....	11,746,746	843,563,326				
1909.....	10,972,999	(1)				
1910.....	12,477,501	(1)				
1911.....	14,445,112	(1)				
1912.....	17,520,175	525,637,600				
1913.....	21,362,698	963,226,289				
1914.....	19,848,658	1,084,106,750				
1915.....	21,712,166	2,042,335,814				
1916.....	30,746,348	2,712,679,768				
1917.....	34,870,321	4,119,087,948				
1918.....	22,752,711	1,995,639,196	9,201,132	\$1,043,384,690		
1919.....	12,661,674	1,150,962,756	7,474,636	1,310,923,038	4,443,475	\$792,453,513
1920.....	16,260,033	799,710,261	4,568,068	652,345,901	4,434,331	495,853,832

¹ No statistics available.² This item covers railroad car-ferry traffic, designated "Local" in statistics for 1919, and the car-ferry traffic between Norfolk, Va., and Cape Charles City Harbor, Va., which was included in internal traffic for 1919.

Passengers, 1920, 11,287,785.

[Navigation season, Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		82		\$38,982
Kid and lamb skins.....	25		\$37,500	
Horn meal.....	57		1,482	
Vegetable food products.....		7,128		175,967
Grapefruit.....	56		2,613	
Almonds.....	10		750	
Chinese peanuts.....	1,117		111,700	
Coffee.....	19		7,220	
Molasses.....	5,759		23,417	
Honey.....	167		30,267	
Other vegetable products, except fibers and wood.....		1,503		336,285
Logwood.....	1,397		55,547	
Tobacco, unmanufactured.....	106		280,738	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS—continued.				
Wood and paper.....		4,286		\$329,402
Mahogany logs.....	56		\$5,600	
Corkwood and waste cork.....	1,783		10,000	
Wood pulp, unbleached sulphite.....	2,447		313,802	
Nonmetallic minerals.....		96,713		219,720
Petroleum, crude.....	86,196		187,907	
Plaster rock.....	8,691		8,691	
Mica.....	14		10,942	
Salt.....	812		12,180	
Ores, metals, and manufactures of, except machinery and vehicles: Lead, pig.....	294	294	88,200	88,200
Chemicals.....		221,274		8,652,723
Nitrate of soda.....	130,061		5,414,504	
Muriate of potash.....	15,637		1,553,696	
Kainit.....	57,320		1,063,089	
Manure salts.....	14,863		393,908	
Other fertilizers.....	3,393		227,526	
Unclassified.....		1,131		555,500
Total.....		331,411		10,396,779
EXPORTS.				
Animals and animal products, except wool and hair.....		5,780		2,078,174
Smoked meats and hams.....	31		13,565	
Salt pork.....	66		22,550	
Canned beef.....	1,376		784,685	
Other canned meats.....	2,124		428,494	
Other meat products.....	531		56,688	
Condensed milk.....	1,064		350,728	
Lard.....	306		146,543	
Stearine.....	60		21,360	
Boots and shoes.....	150		204,022	
Trunks, suit cases, and bags.....	47		40,979	
Candles.....	25		8,560	
Vegetable food products, oilseeds, expressed oils, and beverages.....		123,678		15,542,482
Corn.....	1,502		115,100	
Corn meal.....	28		1,600	
Hominy grits.....	448		36,200	
Corn cobs.....	35		2,945	
Oats.....	312		22,460	
Wheat flour.....	103,236		12,229,795	
Hard bread.....	599		30,740	
Macaroni.....	6		1,747	
Tapioca.....	16		4,935	
Cottonseed meal.....	133		13,943	
Wheat feed.....	831		60,021	
Corn ensilage.....	61		4,900	
Beans and peas.....	1,093		114,362	
Potatoes, white.....	10,435		1,071,975	
Tomatoes, canned.....	3		630	
Other canned vegetables.....	11		4,996	
Catsup, tomato.....	45		18,500	
Apples, in barrels.....	3		282	
Pears, canned.....	5		1,460	
Peanuts.....	236		59,855	
Cotton seed.....	1		325	
Cottonseed oil.....	2,291		851,798	
Soya-bean oil.....	1,837		782,037	
Corn sirup.....	325		47,800	
Other sirup.....	110		28,301	
Distilled liquors.....	14		34,400	
Mineral water.....	12		1,375	
Other vegetable products, except fibers and wood.....		56,919		96,236,047
Rubber hose.....	2		1,220	
Rubber tires and tubes.....	170		178,591	
Rubber fittings.....	28		30,000	
Chestnut tanning extract.....	3,159		376,607	
Logwood extract.....	69		21,493	
Timothy seed.....	80		22,633	
Other grass seed.....	71		17,425	
Leaf tobacco.....	45,388		87,593,640	
Tobacco stems.....	30		1,833	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Other vegetable products, except fibers and wood—Continued.				
Cigarettes.....	6,838		\$6,752,875	
Plug tobacco.....	606		1,093,025	
Smoking tobacco.....	76		81,521	
Tobacco extract.....	28		10,165	
Starch.....	374		55,020	
Textiles.....		31,367		\$20,704,105
Cotton.....	30,309		20,134,346	
Cotton linters.....	447		17,890	
Cotton waste.....	26		14,502	
Cotton yarn.....	22		41,373	
Cotton fabrics.....	216		282,984	
Cotton hosiery.....	5		34,195	
Cotton shirts and underwear.....	142		41,910	
Cotton towels.....	3		12,005	
Wool clothing.....	227		125,000	
Wood and paper.....		42,696		2,871,187
Logs, hickory.....	79		3,209	
Logs, cedar.....	80		4,600	
Railroad ties.....	1,213		20,591	
Crossed piling.....	1,200		8,050	
Lumber, various.....	36,884		2,421,216	
Staves.....	1,749		163,708	
Furniture, wood.....	33		10,316	
Handles for implements and tools.....	524		62,059	
Wooden ware.....	1		122	
Cedar pencil slats.....	184		23,974	
Pulp.....	26		5,928	
Cottonseed pulp.....	22		890	
White paper.....	29		4,540	
Toilet paper.....	10		4,149	
Paper towels.....	3		1,050	
Paper and cardboard.....	472		92,179	
Roofing paper.....	45		3,740	
Pasteboard boxes.....	5		1,008	
Blotting paper.....	159		39,858	
Nonmetallic minerals.....		7,036,930		70,559,834
Anthracite coal.....	12		180	
Bituminous coal.....	7,037,390		70,373,900	
Coke.....	755		20,038	
Gasoline.....	13		1,726	
Petroleum, crude.....	61		1,772	
Lubricating oil.....	65		15,433	
Window and other glass.....	273		109,271	
Fuller's earth.....	1,099		22,499	
Earthenware.....	1		242	
Grindstones.....	22		940	
Mica.....	20		4,800	
Salt.....	195		4,247	
Tiles.....	24		4,786	
Ores, metals and manufactures of, except machinery and vehicles.....		84,398		6,052,822
Pig iron.....	5,781		284,880	
Iron and steel scrap.....	3,185		101,478	
Billets.....	2,337		180,910	
Steel and iron bars.....	2,155		236,779	
Wire rods.....	1,256		83,238	
Boiler and steel plates.....	7,691		549,026	
Steel sheets, galvanized.....	18		2,240	
Steel sheets.....	3,566		342,632	
Tin.....	196		45,767	
Ship plates.....	328		27,226	
Steel plates, girders.....	446		65,380	
Steel rail plates, bolts, switches, etc.....	50,905		3,093,904	
Bolts.....	222		14,839	
Boiler tubes.....	146		40,905	
Wrought-steel pipe.....	203		26,393	
Steel pipe, galvanized.....	5		1,410	
Pipe fittings.....	58		26,010	
Mattress wire.....	22		2,710	
Bath tubs and sinks.....	176		51,542	
Safes and steel furniture.....	4		2,393	
Wire and wire nails.....	149		16,631	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Ores, metals and manufactures of, except machinery and vehicles—Continued.				
Chain.....	109		\$21,742	
Steel springs and tires.....	1,561		118,790	
Other manufactures of iron and steel.....	2,220		133,247	
Vanadium.....	22		80,662	
Aluminum tableware.....	3		3,531	
Copper bars.....	127		45,882	
Foil, lead.....	1,142		374,960	
Zinc dross, spelter, and dust.....	330		64,184	
Babbit metal.....	32		10,833	
Other manufactures of metals, n. e. s.....	2		2,718	
Machinery and vehicles.....		84,683		\$11,288,508
Steam locomotives.....	1,203		656,580	
Electrical machinery.....	71		85,135	
Mining machinery.....	22		19,430	
Cranes.....	567		11,340	
Pumps.....	74		34,363	
Drills and parts.....	7		26,729	
Screw machines.....	13		12,851	
Planing mill machinery.....	16		6,832	
Oil-mill machinery.....	40		7,200	
Air-compressing machinery.....	12		6,426	
Printing presses.....	33		20,550	
Other machinery, n. e. s.....	273		198,005	
Mowers and reapers.....	179		17,452	
Other agricultural machinery.....	231		97,108	
Automobiles.....	1,022		838,929	
Automobile chassis.....	5		3,696	
Automobile parts.....	619		309,500	
Steam railway freight cars.....	69,200		7,535,000	
Steam railway freight car parts.....	11,066		1,390,718	
Motor boats.....	15		10,645	
Other vehicles and parts of.....	15		2,019	
Chemicals.....		3,218		607,095
Medicinals.....	2		90,000	
Calcium carbide.....	7		729	
Dextrine.....	120		13,881	
Other pigment.....	332		24,540	
Mixed paint.....	2		6,496	
Other paints.....	9		2,967	
Toilet soaps.....	17		12,216	
Cottonseed soap.....	2,387		385,078	
Other soaps.....	337		60,925	
Toilet preparations.....	5		10,863	
Unclassified.....		293		147,440
Dental office equipment.....	1		410	
Inks.....	34		17,792	
Toys.....	5		3,099	
Billiard tables.....	1		198	
Pipes and smokers' articles.....	1		795	
Brushes.....	2		1,813	
Household effects.....	1		1,100	
All other articles, n. e. s.....	248		122,233	
Total.....	7,472,992			226,088,294
Total imports and exports.....	7,804,402			236,485,073

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.			19,834		\$66,636,631	Miles.	
Hams, shoulders, and bacon.		139		\$69,632		336	(1)
Packing-house products		1,602		480,600		487	(1)
Milk, condensed and evaporated.		48		8,400		336	(1)
Fish, fresh.		26		3,250		336	(1)
Fish, smoked.		5		1,571		336	(1)
Fish, salt.		107		38,520		336	(1)
Fish, canned.		1,618		647,200		597	(1)
Fish, game, and poultry.		66		33,000		496	(1)
Hides.		1,477		310,170		487	(1)
Boots and shoes.		14,732		55,009,288		558	(1)
Other manufactures of leather.		14		35,000		336	(1)
Vegetable food products.			56,828		8,511,534		
Rice.		87		21,750		336	(1)
Flour.		34,809		3,654,945		(1)	(1)
Beans, dried.		169		37,192		336	(1)
Peas.		9		1,800		336	(1)
Potatoes, white.		7,207		655,837		597	(1)
Fruits and vegetables.		332		35,192		505	(1)
Fruits and vegetables, canned.		2,312		409,230		4,384	\$0.0026
Fruits, dried.		371		78,440		2,077	0.003
Peanuts.		8		880		336	(1)
Other nuts.		413		82,600		336	(1)
Cottonseed oil.		55		17,600		336	(1)
Tea.		73		44,032		336	(1)
Coffee.		420		84,000		336	(1)
Sugar.		8,826		2,824,320		350	(1)
Confectionery.		416		347,402		336	(1)
Syrups.		38		7,600		336	(1)
Groceries.		545		109,084		336	(1)
Beverages.		738		99,630		597	(1)
Other vegetable products, except fibers and wood.			607		704,215		
Rubber tires, and tubes.		2		6,168		336	(1)
Rubber shoes.		47		74,822		336	(1)
Other rubber articles.		27		80,406		336	(1)
Rosin.		2		120		336	(1)
Drugs.		213		213,023		336	(1)
Tannin extract.		59		7,080		336	(1)
Seed for sowing.		72		28,865		465	(1)
Tobacco, leaf.		2		3,000		458	(1)
Tobacco, scraps and trimmings.		31		9,300		336	(1)
Tobacco, smoking.		60		150,000		336	(1)
Cigars.		16		31,567		336	(1)
Cigarettes.		48		96,399		336	(1)
Starch.		27		3,240		385	(1)
Hops.		1		225		336	(1)
Textiles.			25,650		45,560,976		
Cotton.		86		29,068		336	(1)
Cotton yarns.		1		1,840		336	(1)
Other cotton fabrics.		5,154		7,921,705		552	(1)
Manufactured cotton clothes.		212		389,203		336	(1)
Dry goods.		18,079		36,158,000		511	(1)
Bagging.		1,649		527,661		467	(1)
Rope, twine, etc.		222		118,770		336	(1)
Wool.		123		73,800		592	(1)
Woolen manufactures.		112		336,000		336	(1)
Oilcloth.		12		4,929		336	(1)

1 No statistics available.

2 Rate for 1,341 tons carried 4,981 miles.

3 Rate for 139 tons carried 4,981 miles.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—CON.							
Wood and paper.....			6,329		\$2,657,379	Miles.	
Lumber.....	72			\$4,241		336	(1)
Furniture.....		210		84,180		520	(1)
Wooden ware.....		4		475		336	(1)
Printing paper.....		199		26,220		336	(1)
All other paper and paper products.....		5,212		2,163,092		530	(1)
Books and magazines.....		632		379,171		568	(1)
Nonmetallic minerals.....			514,463		16,554,902		
Petroleum oils ¹	514,412			16,533,595		(1)	(1)
Cement.....		16		280		336	(1)
Window glass.....		6		3,872		336	(1)
All other glass articles.....		13		7,800		336	(1)
China and pottery.....		16		9,055		345	(1)
Ores, metals, and manufactures of, except machinery and vehicles.....			15,517		1,442,878		
Wire, plain.....		203		18,270		336	(1)
Wire, fencing.....		5,367	483,030	483,030		458	(1)
Nails, spikes, and screws.....		895		71,600		456	(1)
Other manufactures of iron and steel.....		8,825		794,250		483	(1)
Manufactures of copper.....		23		15,103		336	(1)
Tin ware.....		30		12,110		336	(1)
Lead, pigs and bars.....	48			7,656		336	(1)
Mine products.....	25			312		458	(1)
Brass goods.....		101		40,547		336	(1)
Machinery and vehicles.....			6,136		3,074,396		
Batteries.....		24		7,300		336	(1)
Machinery, electric.....		58		35,096		336	(1)
Machinery, sewing.....		40		20,000		336	(1)
Machinery, n. e. s.....		6,004		3,002,000		491	(1)
Automobiles.....		10		10,000		336	(1)
Chemicals.....			95,923		4,303,935		
Medicines.....		18		18,214		336	(1)
Paint.....		560		132,160		336	(1)
Cartridges.....		6		3,394		336	(1)
Fireworks.....		13		3,895		336	(1)
Soda products.....		27		810		566	(1)
Soap, laundry.....		1,088		130,592		540	(1)
Toilet preparations.....		7		10,500		336	(1)
Lye.....		22		8,650		336	(1)
Prepared fertilizer.....		10,443		731,010		(1)	(1)
Acid phosphate.....		32,538		520,608		(1)	(1)
Fish scrap.....	5,517			304,674		182	(1)
Tankage.....	2,066			47,550		(1)	(1)
Phosphate rock.....	31,642			292,941		(1)	(1)
Sulphur.....	2,066			35,042		1,720	(1)
Base goods.....	6,106			170,940		299	(1)
Baking powder.....		3,786		1,892,955		458	(1)
Unclassified: Other articles, n. e. s.....		53,387	53,387	18,743,942	18,743,942	336	(1)
Total.....	561,972	232,702	794,674		158,190,488		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.....			5,978		810,975		
Salt meats.....		10		4,588		336	(1)
Packing-house products.....		581		214,970		530	(1)
Fish, fresh.....		7		840		336	(1)
Fish, salt.....		2		250		336	(1)
Oysters, smoked.....		111		3,330		336	(1)
Oysters in shell.....		4,421		110,525		336	(1)
Hides.....		699		146,790		540	(1)
Boots and shoes.....		82		306,188		571	(1)
Suit cases.....		2		1,500		4,961	\$0.0133
Trunks.....		59		11,941		336	(1)
Other leather manufactures.....		4		10,053		336	(1)

¹ No statistics available.² Statistics incomplete on account of imperfect returns from oil company.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENT, COASTWISE—continued.							
Vegetable food products, oil seeds, expressed oils, and beverages			36,815		\$4,256,284	Miles.	
Flour		1		\$105		336	(1)
Grain		266		13,300		597	(1)
Mill products		119		4,760		488	(1)
Potatoes, white		15,675		1,426,425		472	(1)
Other fresh vegetables		9,825		593,430		344	(1)
Vegetables, canned		171		23,940		336	(1)
Apples		12		1,092		336	(1)
Fruits, dried		35		5,690		336	(1)
Peanuts		5,431		597,410		553	(1)
Other nuts		621		124,200		336	(1)
Cotton-seed oil		4,373		1,399,360		466	(1)
Coffee		1		200		336	(1)
Sugar		51		16,320		597	(1)
Confectionery		6		5,046		336	(1)
Syrups		74		14,800		336	(1)
Groceries		154		30,302		336	(1)
Other vegetable products, except fibers and wood			9,085		21,082,250		
Rubber tires and tubes		1		4,000		336	(1)
Rubber articles n.e.s.		1		3,000		336	(1)
Turpentine		32		8,064		523	(1)
Drugs		2		1,727		336	(1)
Tannin extract		108		12,960		336	(1)
Tobacco, leaf		1,069		1,603,500		2,511	\$0.004
Tobacco, stems and scraps		50		15,000		336	(1)
Tobacco, manufactured		7,441		18,602,500		598	(1)
Cigarettes		330		825,000		336	(1)
Roots		18		2,539		336	(1)
Starch		33		3,960		527	(1)
Textiles			105,670		136,132,515		
Cotton		19,048		6,438,224		(1)	(1)
Cotton linters		32		1,280		549	(1)
Cotton fabrics		84,585		126,877,500		520	(1)
Manufactured cotton clothes and furnishings		1,812		2,601,206		336	(1)
Bagging		58		18,322		503	(1)
Rope, twine, etc.		58		37,025		4,580	\$0.0048
Wool		30		18,000		597	(1)
Woolen manufactures		47		140,958		336	(1)
Wood and paper			48,251		707,331		
Lumber	13,362			293,964		326	7.0087
Piles	34,100			223,542		342	(1)
Furniture		10		2,956		336	(1)
Other manufactures of wood		40		4,800		597	(1)
Paper		712		165,670		910	\$0.0076
Books and magazines		27		16,399		336	(1)
Nonmetallic minerals			6,086,649		60,867,839		
Coal, bituminous	6,086,658			60,865,580		\$514	10.0042
Asphaltum		2		92		336	(1)
China and pottery		2		1,080		336	(1)
Mine products	87			1,087		597	(1)
Ores, metals, and manufactures of, except machinery and vehicles			1,325		648,404		
Pig iron	11			440		597	(1)
Rails, steel	18			1,314		597	(1)
Wire, plain		680		61,200		336	(1)

1 No statistics available.

2 Rate for 500 tons carried 4,981 miles.

3 Rate for 53 tons carried 4,981 miles.

4 Barge rate.

5 Rate for 70 tons carried 4,981 miles.

6 Approximate; based on 56 per cent of coastwise shipments from Hampton Roads.

7 Approximate; statistics incomplete.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		A ver- age haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, COASTWISE— continued.							
Ores, metals, and manu- factures of, except machinery and vehicles—Continued.						Miles.	
Nails, spikes, and screws		35		\$2,800		336	(1)
Other manufactures of iron and steel		483		501,465		11 1,139	12 \$0.0085
Tin		21		27,800		336	
Cutlery		13		15,396		336	
Tools, iron and steel		1		860		336	
Aluminum		8		5,507		336	
Copper sheets		26		18,909		336	
Brass, manufactures of.		5		2,113		336	
Babbitt metal		24		10,600		4,981	.008
Machinery and vehicles			618		\$330,800		
Electrical machinery and apparatus		3		1,800		336	(1)
Typewriters		7		17,000		336	(1)
Other machinery		554		285,000		605	13 .016
Automobiles		54		27,000		336	(1)
Chemicals			1,808		122,562		
Paints		41		9,676		900	14 .0086
Soda ash		40		2,080		336	
Other soda compounds		11,072		32,160		481	
Soap, laundry		655		78,676		502	(1)
Unclassified		26,194	27,417	9,154,351	9,154,351		
Army stores		290		800,000		4,981	.006
Navy stores		348		173,700		4,000	.0075
United States Army property		585		225,000		(1)	(1)
All other articles, n. e. s.		26,194		9,154,351		531	(1)
Total	6,134,136	189,480	6,323,616		235,312,041		
Total receipts and shipments	6,696,108	422,182	7,118,290		393,502,529		
RECEIPTS, INTERNAL.							
Animals and animal prod- ucts, except wool and hair			30,090		7,059,947		
Hogs		138		41,400		90	113
Sheep		26		10,400		54	15 .211
Horses		6		1,800		24	(1)
Live poultry		171		85,500		155	16 .24
Live stock		1,630		356,000		200	(1)
Meats, fresh		2,529		1,011,600		200	(1)
Hams, shoulders, and bacon		7,003		3,641,560		194	17 .075
Eggs		132		39,600		57	18 .33
Fish, fresh		1,486		297,200		160	19 .125
Oysters in shell		12,429		248,580		155	(1)
Oyster shells		2,810		17,567		26	(1)
Hides, raw		2		420		90	(1)
Leather		120		180,000		200	(1)
Boots and shoes		1		3,700		200	(1)
Furs, undressed		1		1,000		90	(1)
Other animal products		1,606		1,123,600		200	(1)
Vegetable food products			50,367		8,103,462		
Corn		448		22,848		90	(1)
Corn meal		72		4,788		90	(1)
Flour		1,702		178,710		200	(1)
Grain		449		26,940		200	(1)
Grain products		932		47,880		199	(1)
Hay		264		6,864		190	(1)

¹ No statistics available.¹¹ Haul for 433 tons.¹² Rate for 77 tons carried 4,981 miles.¹³ Rate for 4 tons carried 4,981 miles.¹⁴ Rate for 5 tons carried 4,961 miles.¹⁵ Rate for 2 tons carried 90 miles.¹⁶ Rate for 35 tons carried 43 miles.¹⁷ Rate for 224 tons carried 35 miles.¹⁸ Rate for 77 tons carried 36 miles.¹⁹ Rate for 150 tons carried 60 miles.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL—CON.							
Vegetable and food products—Continued.						Miles.	
Beans, dried.....		172		\$20,640		90	(1)
White potatoes.....	3,025			353,017		90	20 \$0.048
Other fresh vegetables..	4,153			276,784		90	21 0.055
Canned fruits and vegetables.....		14,387		4,316,100		200	(1)
Fruits, fresh.....	2,884			234,325		200	(1)
Fruits and vegetables...	2,228			181,324		200	(1)
Fruits, dried.....		1		170		90	(1)
Peanuts.....	1,186			215,852		37	22 88
Cottonseed oil.....		1		320		200	(1)
Sugar.....	3,042			973,440		200	(1)
Sorghum.....		3		150		90	(1)
Beverages.....	8,952			895,200		200	(1)
Mill products.....		2		160		200	(1)
Other products of agriculture.....		6,464		347,950		200	(1)
Other vegetable products, except fibers and wood.....			4,180		\$6,243,287		
Rosin.....		25		1,500		200	(1)
Turpentine.....		71		18,467		200	(1)
Naval stores.....		223		22,300		200	(1)
Wood tar.....		14		420		90	(1)
Seed, assorted.....	1,019			407,600		200	(1)
Tobacco, leaf.....	1,277			1,915,500		200	(1)
Tobacco, manufactured.....	1,551			3,877,500		200	(1)
Textiles.....			8,769		10,960,860		
Cotton.....		1,889		642,260		102	23 04
Other manufacture of cotton.....		6,879		10,318,000		200	(1)
Wool, raw.....		1		600		200	(1)
Wood and paper.....			12,147		142,523		
Lumber.....	1,555			42,326		116	24 03
Pulp wood.....	1,618			12,035		(1)	(1)
Firewood.....	3,554			17,700		(1)	(1)
Mine props.....	4,600			27,000		(1)	(1)
Shingles.....	60			1,062		134	(1)
Staves.....	624			12,480		94	(1)
Wrapping paper.....	136			29,920		200	(1)
Nonmetallic minerals.....			729,875		16,558,865		
Coal, anthracite.....	10,549			105,490		258	25 004
Gasoline.....	98,000			5,766,451		200	(1)
Illuminating oil.....	47,000			4,072,138		200	(1)
Gas oil.....	13,600			546,305		200	(1)
Fuel oil.....	360,000			5,758,222		200	(1)
Sand and gravel.....	199,952			300,000		90	(1)
Cement.....		117		2,047		200	(1)
Other products of mines, n. e. s.....	657			8,212		200	(1)
Ores, metals and manufactures of, except machinery and vehicles.....			12,563		2,080,964		
Bars, sheet metal.....		4,217		337,360		200	(1)
Railway track rails.....	8			624		200	(1)
Car wheels.....		1,541		154,100		200	(1)
Other castings and machinery.....		6,792		1,538,400		200	(1)
Nails, spikes, and screws.....		3		300		200	(1)
Other manufactures of iron and steel.....		2		180		200	(1)
Machinery and vehicles.....			3,103		893,800		
Agricultural implements.....		371		74,200		200	(1)
Wagons and carriages.....		2,732		819,600		200	(1)

¹ No statistics available.²⁰ Rate for 450 tons carried 90 miles.²¹ Rate for 600 tons carried 90 miles.²² Rate for 1,128 tons carried 24 miles.²³ Rate for 1,500 tons carried 90 miles.²⁴ Rate for 455 tons carried 40 miles.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Val ue.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL—CON.							
Chemicals.....			141,337		\$3,142,561	Miles.	
Coal tar.....		42		\$1,050		200	(1)
Sulphuric acid.....		10,402		148,022		200	(1)
Nitrate of soda.....		216		2,100		200	(1)
Phosphate rock.....	970			10,000		114	(1)
Acid phosphate.....		78,627		1,258,053		200	\$0.0045
Tankage.....	6,966			355,266		200	.0045
Fish scrap.....	6,427			585,630		80	(1)
Base goods.....	15,742			431,140		232	.004
Other fertilizer material.....		21,944		351,000		200	(1)
Soap.....		1		100		200	(1)
Unclassified.....			81,832		21,464,575		
All other articles, n. e. s.		81,830		21,464,575		200	(1)
Total receipts, internal.....	774,828	299,433	1,074,261		76,600,844		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair.....			4,436		805,088		
Horses.....		20		6,000		90	\$.166
Mules.....		22		9,000		90	\$.166
Poultry, live.....		151		75,000		200	(1)
Live stock.....		156		34,000		200	(1)
Meats, fresh.....		105		32,500		195	(1)
Meats, smoked.....		99		39,600		200	(1)
Meats, salt.....		252		90,720		90	\$.033
Meats, canned.....		77		35,500		90	\$.053
Milk, condensed.....		83		14,525		90	\$.053
Butter.....		25		32,000		90	\$.10
Cheese.....		53		32,330		90	\$.07
Fish, fresh.....		1,512		151,200		183	\$.25
Fish and oysters.....		460		101,200		175	(1)
Oysters in shell.....		943		18,860		200	(1)
Oleomargarine.....		6		2,100		90	\$.104
Lard substitutes.....		129		40,400		90	\$.144
Hides.....		88		18,480		200	(1)
Boots and shoes.....		12		44,808		200	\$1 .014
Furs, undressed.....		1		1,000		90	(1)
Grease.....		242		22,865		200	(1)
Other products of animals, vegetable food products, oilseeds, expressed oils, and beverages.....			41,844		4,319,960		
Corn.....		36		1,839		200	(1)
Oats.....		245		12,067		90	\$.033
Flour.....		1,283		135,265		114	\$.028
Other grain.....		2		260		90	(1)
Hay.....		424		11,145		91	\$.033
Straw.....		50		825		90	(1)
Other mill products.....		210		14,280		200	(1)
Potatoes, white.....		6,314		574,574		200	(1)
Other fresh vegetables and fruits.....		24,411		1,618,950		200	(1)
Canned vegetables and fruit.....		1,067		74,365		187	(1)
Peanuts.....		4,210		766,000		200	(1)
Cotton seed.....		2		280		90	(1)
Cottonseed oil.....		2,269		726,080		200	(1)

1 No statistics available.

2 Rate for 15 tons carried 90 miles.

3 Rate for 144 tons carried 90 miles.

4 Rate for 30 tons carried 90 miles.

5 Rate for 10 tons carried 90 miles.

6 Rate for 40 tons carried 90 miles.

7 Rate for 150 tons carried 90 miles.

8 Rate for 3 tons carried 90 miles.

9 Rate for 165 tons carried 90 miles.

10 Rate for 750 tons carried 90 miles.

11 Rate for 120 tons carried 90 miles.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL—continued.							
Coffee.....		8		\$3,200		Miles. 90	≈\$0.042
Sugar.....		1,130		361,600		150	≈.033
Confectionery.....		1		1,000		90	()
Molasses.....		16		1,600		90	()
Beverages.....		166		16,600		200	()
Other vegetable products, except fibers and wood.....			18,880	\$30,512,430			
Rosin.....		12		720		200	()
Turpentine.....		7		1,764		200	()
Pine tar.....		381		27,546		200	()
Seed.....		340		136,000		200	()
Tobacco, leaf.....		14,209		21,313,500		200	()
Tobacco, manufactured.....		3,608		9,020,000		200	()
Other products of agriculture.....		323		12,900		200	()
Textiles.....			37,057	44,747,105			
Cotton, short staple.....		9,172		3,118,480		180	≈.044
Cottonlinters.....		11		400		90	()
Dry goods and cotton piece goods.....		27,739		41,608,500		200	()
General merchandise.....		129		16,125		175	()
Wool, raw.....		6		3,600		181	()
Wood and paper.....			11,481	253,674			
Lumber.....	11,442			251,724		220	≈.009
Other forest products.....	39		1,950			200	()
Nonmetallic minerals.....			73,150	4,442,061			
Coal, anthracite.....		80		1,000		90	()
Coal, bituminous.....		3,645		33,553		90	()
Gasoline.....		42,340		2,479,156		()	()
Illuminating oil.....		18,320		1,628,146		()	()
Gas and fuel oil.....		1,560		43,336		()	()
Refined petroleum products, n. e. s.....		2,385		238,500		195	()
Sand.....	4,182			6,124		200	()
Cement.....		71		1,242		200	()
Lime, building.....		120		1,280		90	()
Lime, agricultural.....		60		600		90	()
Glassware.....		1		130		90	()
Building brick.....	180			959		90	()
Asbestos pipe covering.....		1		1,000		90	()
Salt.....		145		2,900		90	()
Other products of mines.....		60		750		200	()
Ores, metals, and manufactures of, except machinery and vehicles.....			2,665	51,909			
Pig iron.....	28			1,120		200	()
Bar and sheet metal.....	201			16,080		200	()
Railway rails.....	82			5,986		200	()
Wrought-iron pipe.....		50		3,500		90	()
Cast-iron pipe.....		20		1,600		90	()
Galvanized wire.....		10		1,000		90	()
Barbed wire.....		2		400		90	()
Castings.....		2,247		20,223		200	()
Other manufactures of iron and steel.....		5		450		90	()
Nails, spikes, and screws.....		20		1,550		90	≈.033
Machinery and vehicles.....			1,479	564,250			
Engine parts.....		1		400		90	()
Gasoline engines.....		10		5,000		90	()
Steam pumps.....		10		4,200		90	()
Other pumps.....		1		500		90	()
Agricultural implements.....		152		30,400		120	≈.044
Automobiles and parts.....		63		26,250		90	()
Bicycles and tricycles.....		1		2,000		90	()
Other vehicles.....		1,241		495,500		199	()

1 No statistics available.

≈ Rate for 1,500 tons carried 90 miles.

≈ Rate for 120 tons carried 90 miles.

≈ Rate for 500 tons carried 90 miles.

≈ Rate for 11,246 tons carried 220 miles.

≈ Rate for 10 tons carried 90 miles.

≈ Rate for 100 tons carried 90 miles.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL—continued.							
Chemicals.....			53,247		\$2,228,424	Miles.	
Coal tar.....		40		\$1,000		90	()
Muriate potash.....		950		110,200		200	()
Baking powder.....		1		600		90	()
Medicines.....		1		1,000		90	()
Paints.....		9		3,000		90	()
Kainit.....	900			18,000		211	\$0.0090
Acid phosphate.....		1,792		28,688		201	".0067
Phosphate rock.....	23,471			256,181		176	".0792
Prepared fertilizer.....		25,131		1,775,824		* 135	a. 01
Other fertilizer material.....	186			2,976		177	()
Base goods.....	750			26,955		200	()
Cartridges.....		6		3,000		90	()
Soap.....		10		1,000		90	()
Unclassified.....			24,840		5,196,934		
All other articles, n. e. s.		24,840		5,196,934			
Total shipments, internal.....	107,406	161,673	269,079		93,121,825		
Total receipts and shipments, internal.....	882,234	461,106	1,343,340		169,722,669		

1 No statistics available.

* Based on 6,402 tons carried 112 miles.

* Rate for 19,131 tons with average haul of 135 miles.

* Rate for 1,500 tons by steamer 75 miles, 2,500 tons by steamer 24 miles, and 7,759 tons by barges 205 miles.

RAILROAD CAR-FERRY TRAFFIC.

Commodities.	Amount in short tons.	Value.
Meats, all kinds.....	13,205	\$5,372,490
Fresh fish and oysters.....	19,876	4,372,470
Hides, leather, and manufactures of.....	3,602	9,044,308
Grain.....	13,816	967,120
Fruits and vegetables.....	180,303	14,615,653
Peanuts.....	28,126	3,093,800
Cotton.....	74,671	25,358,266
Cotton factory products.....	32,900	52,290,500
Cottonseed oil.....	127,168	40,693,760
Cottonseed soap.....	2,573	205,840
Tobacco.....	11,715	17,572,500
Manufactures of wood.....	453,777	54,453,240
Lumber.....	1,267,456	27,884,032
Anthracite coal.....	48,249	482,000
Bituminous coal.....	130,742	1,307,420
Petroleum and its products.....	58,903	2,599,225
Cement.....	117,622	2,056,585
Lime.....	11,762	117,620
Bricks.....	5,947	31,519
Other building material.....	2,895	15,184
Manufactures of iron and steel.....	106,297	9,566,730
Machinery and castings.....	47,049	8,468,820
Automobiles and other vehicles.....	10,770	4,308,000
Fertilizer and fertilizer material.....	298,504	17,361,650
Unclassified.....	1,406,433	193,298,000
Total.....	4,434,331	495,853,832

Freight traffic, 1920—Continued.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.
Meat, fresh.....	151,669	\$53,084,248
Meat, smoked and salt.....	1,896	1,020,712
Lard.....	2,396	1,197,840
Hides.....	1,049	629,664
Barley.....	123,200	8,624,000
Wheat.....	666,903	46,685,202
Flour.....	51,227	5,122,700
Cottonseed oil cake.....	25,306	2,075,125
Canned goods.....	16,029	4,808,832
Oils, vegetable.....	3,181	1,272,320
Coffee.....	1,130	395,528
Sugar.....	299,623	86,279,424
Sirup.....	6,157	1,231,328
Wines and liquors.....	89	95,424
Tobacco, leaf and manufactured.....	9,391	14,085,800
Naval stores.....	17,889	1,431,091
Starch.....	2,008	240,979
Cotton.....	278,020	94,526,746
Wool.....	18,730	11,237,856
Logs.....	3,771	113,131
Railroad ties.....	8,860	443,016
Lumber.....	164,583	4,612,783
Staves.....	12,051	482,048
Coal, anthracite.....	1,375	15,129
Coal, bituminous.....	761,022	7,610,221
Gasoline.....	118,208	7,092,490
Oils, petroleum.....	316,879	12,675,174
Oils, lubricating.....	3,680	736,064
Cement.....	4,870	82,785
Sulphur.....	90,723	997,957
Oils.....	2,990	44,856
Iron, pig.....	6,300	472,500
Steel, billets.....	36,639	2,198,314
Railway rails.....	18,987	1,386,077
Other manufactures of iron and steel.....	79,386	7,144,704
Copper.....	13,262	4,509,053
Lead.....	4,406	1,057,459
Metals, various.....	31,303	4,695,432
Machinery.....	13,701	5,480,384
Agricultural implements.....	3,808	837,760
Automobiles and trucks.....	4,805	4,805,000
Alcohol.....	4,393	3,514,112
Nitrate of soda.....	92,717	9,271,696
Phosphate rock.....	304,431	4,566,458
Fertilizer.....	22,384	1,343,040
Unclassified.....	797,590	237,056,439
Total.....	4,568,068	652,345,901

Freight traffic, 1920—Continued.
SUMMARY.

Classes of commodities.	Foreign.			Domestic.						
	Imports.		Exports.	Coastwise.		Other domestic.		Total.		
	Tons.	Value.		Tons.	Value.	Tons.	Value.			
	Animals and animal products, except wool and hair.....	82	\$38,982	5,780	\$2,078,174	25,812	\$57,447,006	34,826	\$7,885,035	66,200	$87,429,797
Vegetable food products.....	7,128	175,967	123,678	15,542,482	93,643	12,767,818	92,211	12,423,422	316,660	40,909,689
Other vegetable products, except fibers and wool.....	1,503	336,285	56,919	96,236,047	9,692	21,786,465	23,090	36,755,717	91,174	155,114,514
Textiles.....	4,286	329,402	31,397	20,704,105	131,320	181,663,491	45,826	55,707,965	268,543	268,105,561
Wood and paper.....	95,713	219,720	42,666	2,871,187	54,590	3,364,710	23,628	398,197	125,190	6,961,496
Nonmetallic minerals.....			7,039,930	70,559,834	6,601,112	77,422,441	803,025	21,000,916	14,539,780	169,202,911
Ores, metals, and manufactures of, except machinery and vehicles.....	294	88,200	84,398	6,052,822	16,842	2,091,282	15,228	2,082,873	116,468	10,226,967
Machinery and vehicles.....	221,274	8,652,723	84,683	11,288,508	6,754	3,405,196	4,552	1,458,050	96,313	16,239,954
Chemicals.....	1,131	555,500	3,218	607,695	97,731	4,426,527	194,584	5,370,985	516,807	19,057,930
Unclassified.....			263	147,440	80,804	29,096,993	106,670	26,661,509	188,998	56,461,442
Total.....	331,411	10,396,779	7,472,992	226,088,294	7,118,280	393,502,529	1,343,340	169,722,669	16,266,033	799,710,261

Car ferry.....	Short tons.		Value.
Cargoes in transit.....	4,434	331	\$495,853,832
	4,568	068	652,345,901

The number of steamers of regular lines plying between Norfolk and domestic ports were as follows: New York, 2; Boston, 2; Providence, 2; Baltimore, 6; Washington, D. C., 2; Elizabeth City, N. C., 2; Smithfield, Va., 1. Considerable coastwise and internal traffic was carried on barges and sailing vessels.

The foreign trade was principally with Europe, and was carried almost entirely in steamers. Total shipments of coal from the Norfolk coal piers amounted to 13,123,948 short tons, 66 per cent greater than in 1919. Many trans-Atlantic steamers and many steamers in the coastwise trade took on bunker coal at these piers. The tonnages and values of the chief articles exported were as follows:

Articles.	Tons.	Value.
Wheat flour.....	103,236	\$12,229,795
Cotton.....	30,309	20,134,346
Leaf tobacco.....	45,380	87,593,640
Bituminous coal.....	7,037,390	70,373,900
Metals and manufactures of.....	84,398	6,052,822
Machinery and vehicles.....	84,633	11,288,508

The tonnage of imports was 333,411 short tons and their value \$10,396,779. The total foreign and domestic traffic of the port during the year amounted to 16,266,033 tons, with a value of \$799,710,261.

Vessel classification, 1920.¹

ENTERED.

Trade and nationality of vessels.	Steam.		Sail.		Total.	
	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Net registered tonnage.
Foreign trade:						
American vessels.....	940	2,684,550	55	60,198	995	2,744,748
Foreign vessels.....	1,584	4,280,655	58	82,221	1,642	4,362,876
Total.....	2,524	6,965,205	113	142,419	2,637	7,107,624
Coastwise trade:						
American vessels.....	973	2,514,924	25	25,984	998	2,540,908
Foreign vessels.....	388	925,523	18	24,780	406	950,303
Total.....	1,361	3,440,447	43	50,764	1,404	3,491,211
Total foreign and coastwise.....	3,885	10,405,652	156	193,183	4,041	10,598,835

CLEARED.

Foreign trade:						
American vessels.....	822	2,165,252	83	100,797	905	2,266,049
Foreign vessels.....	1,455	3,729,599	60	85,700	1,515	3,815,299
Total.....	2,277	5,894,851	143	186,497	2,420	6,081,348
Coastwise trade:						
American vessels.....	527	1,357,760	3	1,770	530	1,359,530
Foreign vessels.....	269	702,805	1	419	270	703,224
Total.....	796	2,060,565	4	2,189	800	2,062,754
Total foreign and coastwise.....	3,073	7,955,416	147	188,686	3,220	8,144,102

¹ Includes only vessels that entered and cleared through customhouse.

² Statistics incomplete: American vessels enrolled in coastwise trade not required to enter or clear.

³ Many vessels withdrawn from service and laid in ordinary in 1920.

NOTE.—The above tabulation includes vessels with cargoes pertaining to the port; also vessels in transit with cargoes or in ballast, calling at the port for bunker fuel, or other purposes.

THIMBLE SHOAL CHANNEL, VA.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

See current annual report of the district engineer under "Norfolk Harbor and Channels, Va.," (1) Norfolk Harbor, Va., and (3) Channels to Newport News, Va.

The commerce passing through this channel is the greater portion of the foreign and coastwise traffic of Norfolk and Newport News, carried generally in vessels of 25 feet draft and over. A considerable portion of Chesapeake Bay traffic also passes through the channel. The articles of the above traffics are foodstuffs, lumber, and other forest products; cotton, tobacco, and other agricultural products; coal, manufactured iron and steel, ores, steel billets, and a great variety of other commodities. It is not practicable to state what portion of the traffic of the above ports and of Chesapeake Bay pass through the channel.

CHANNEL TO NEWPORT NEWS, VA.

Comparative statement of traffic.

Year.	Short tons.	Value.	In transit.		Railroad car ferry.	
			Short tons.	Value.	Short tons.	Value.
1911.....	6,307,501	(¹)				
1912.....	6,061,696	\$294,171,185				
1913.....	4,721,726	221,350,331				
1914.....	5,638,189	181,252,300				
1915.....	7,327,932	438,965,405				
1916.....	6,403,008	398,765,216				
1917.....	6,259,774	404,821,473				
1918.....	12,421,433	1,284,712,657				
1919.....	4,157,499	106,328,193	4,535,538	\$810,881,512	355,423	\$60,879,282
1920.....	6,860,523	111,109,664	2,404,797	384,327,513	534,086	47,294,615

¹ No statistics available.² This item designated "Local" in statistics of 1919.

Passengers, 1920, 519,914.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		38		\$11,280
Fish in oil.....	18		\$10,080	
Fish, salted.....	20		1,200	
Vegetable food products.....		1,116		179,760
Tea.....	2		1,520	
Sugar.....	1,114		178,240	
Other vegetable products, except fibers and wood.....		5,602		345,022
Log wood.....	5,487		219,480	
Tobacco.....	82		123,000	
Gum.....	31		682	
Coal-tar dyes.....	1		1,700	
Garden seed.....	1		160	
Wood and paper.....		8,073		860,704
Sulphite wood pulp.....	1,856		283,408	
Mechanical ground wood pulp.....	2,543		228,870	
Ground wet wood pulp.....	3,034		273,060	
Teak-wood planks.....	26		15,600	
Walnut boards.....	168		50,400	
Paper stock.....	446		9,366	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Nonmetallic minerals.....		15,121		\$144,838
China clay.....	13,847		\$124,623	
Fuller's earth.....	1,119		16,785	
Salt.....	150		2,250	
Earthenware.....	4		400	
Mica, in sheets.....	1		780	
Ores, metals, and manufactures of, except machinery and vehicles.....		4,572		118,347
Cable chain.....	9		1,500	
Steel bars.....	13		1,007	
Manganese ore.....	4,400		70,840	
Type metal.....	150		45,000	
Machinery and vehicles: Machinery.....	4	4	2,000	2,000
Chemicals.....		4,391		239,745
Nitrogenous fertilizer material.....	1,893		104,115	
Phosphate fertilizer material.....	2,458		122,900	
Paints.....	33		8,250	
Acids, n. e. s.....	7		4,480	
Unclassified.....		124		52,000
Total.....		39,041		1,953,696
EXPORTS.				
Animals and animal products, except wool and hair.....		7,086		2,991,062
Cattle.....	6,075		2,342,441	
Swine.....	2		3,600	
Horses.....	28		12,902	
Canned meat.....	214		246,075	
Other meat products, n. e. s.....	38		51,767	
Milk, condensed and evaporated.....	471		141,702	
Salmon, canned.....	69		18,100	
Lard.....	96		47,919	
Hides and skins.....	10		31,072	
Sole leather.....	73		46,494	
Leather belting.....	10		49,000	
Vegetable food products, oil seeds, expressed oils, and beverages.....		126,842		14,094,398
Barley.....	2,010		145,694	
Malt extract.....	47		8,043	
Corn.....	1,097		47,110	
Corn meal and flour.....	321		23,972	
Hominy and grits.....	594		44,200	
Other corn preparations.....	66		12,450	
Oats.....	1,456		94,280	
Oat meal and rolled oats.....	251		25,612	
Rye.....	8,722		625,072	
Wheat.....	60,647		5,994,560	
Flour.....	40,535		4,623,383	
Bread, biscuit, and crackers.....	224		11,600	
Macaroni.....	67		21,322	
Prepared feeds.....	1,319		82,303	
Potatoes, white.....	636		48,064	
Beans, canned.....	2		476	
Soups, canned.....	8		2,777	
Tomatoes, canned.....	40		9,375	
Pickles and sauces.....	202		21,722	
Other prepared vegetables.....	1		909	
Apples in barrels.....	490		46,868	
Raisins.....	1,093		320,845	
Apricots, dried.....	251		77,320	
Peaches, dried.....	182		69,617	
Prunes, dried.....	888		255,860	
Other dried fruits.....	1,222		392,333	
Peaches, canned.....	958		342,789	
Pears, canned.....	407		157,672	
Pineapple, canned.....	379		94,276	
Other canned fruit.....	534		184,852	
Other vegetable oils and fats.....	288		41,366	
Confectionery.....	10		2,724	
Cane sirup.....	1,895		265,062	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Other vegetable products, except fibers and wood.....		14,526		\$13,573,435
Turpentine.....	29		\$24,480	
Pitch.....	10		2,069	
Logwood extract.....	64		19,809	
Other extracts for dyeing.....	6		3,897	
Chestnut tannin extract.....	1,712		195,461	
Clover seed.....	201		58,163	
Timothy seed.....	98		21,757	
Other grass seed.....	33		26,820	
Leaf tobacco.....	9,641		11,507,983	
Stems, tobacco.....	358		25,333	
Cigarettes.....	619		1,038,034	
Plug tobacco.....	328		422,410	
Smoking tobacco.....	144		84,430	
Other tobacco manufactures.....	104		32,189	
Starch.....	1,179		110,450	
Textiles.....		478		463,301
Cotton.....	298		233,372	
Cotton cloth.....	28		105,689	
Cotton yarn.....	10		17,502	
Hosiery.....	2		7,885	
Cotton bags.....	1		359	
Linoleum.....	105		83,947	
Oilcloth for floors.....	34		14,547	
Wood and paper.....		22,365		2,092,396
Logs, hardwood.....	66		2,414	
Logs, cedar.....	18		2,000	
Poles.....	13		2,850	
Lumber, cypress.....	23		1,816	
Lumber, pine.....	285		4,893	
Lumber, spruce.....	810		164,430	
Lumber, other soft woods.....	1,861		307,643	
Lumber, gum.....	927		35,214	
Lumber, oak.....	10,586		695,656	
Lumber, poplar.....	1,971		158,636	
Lumber, walnut.....	107		15,284	
Lumber, other hard woods.....	2,846		248,855	
Veneers.....	10		7,215	
Laths.....	13		8,231	
Staves.....	1,235		120,170	
Office furniture.....	117		21,853	
Handles for implements and tools.....	303		66,178	
Incubators and brooders.....	5		1,325	
Woodenware.....	134		24,024	
Other manufactures of wood.....	279		41,803	
Wood pulp.....	54		3,171	
Paper stock.....	1		1,000	
Wrapping paper.....	29		14,220	
Paper board and straw board, except wall board.....	182		11,207	
Roofing paper.....	45		9,883	
Wall board.....	84		6,528	
Other paper and paper products, n. e. s.....	360		115,312	
Books.....	1		575	
Nonmetallic minerals.....		5,422,731		54,504,575
Coal, bituminous.....	5,419,168		54,191,680	
Coke.....	1,589		17,518	
Asphaltum.....	213		12,000	
Cement.....	303		4,532	
Window glass.....	219		33,892	
Plate glass.....	127		46,289	
Glass bottles, vials, and jars.....	507		71,379	
Table glassware.....	456		91,684	
Lamp chimneys.....	20		12,197	
Fire clay.....	22		352	
Fuller's earth.....	104		2,098	
Electrical porcelain.....	3		954	
Ores, metals, and manufactures of, except machinery and vehicles.....		38,364		3,888,362
Pig iron.....	1,538		65,065	
Iron and steel scrap.....	791		27,256	
Billets, steel.....	2,035		149,653	
Steel bars.....	890		73,769	
Iron bars.....	24		1,491	
Wire rods.....	1,509		113,131	
Boiler plate, iron and steel.....	97		22,285	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Other vegetable products, except fibers and wood—Con.				
Other steel plates not fabricated.....	1,474		\$101,397	
Iron or steel sheets, galvanized.....	5,545		692,708	
Iron sheets, black.....	241		23,895	
Hoop iron or steel.....	827		77,933	
Tin plate.....	1,847		286,147	
Heavy structural shapes not fabricated.....	332		24,433	
Ship plates.....	389		37,502	
Other structural forms, n. e. s.....	917		105,201	
Rails, steel.....	5,512		392,897	
Rail joints splice bars, fishplates and tie-plates.....	93		4,663	
Railroad spikes.....	17		296	
Railroad bolts, nuts, and washers.....	17		3,212	
Wrought-iron or steel black pipe.....	2,145		219,570	
Wrought-iron or steel galvanized pipe.....	2,206		262,637	
Plain iron or steel wire.....	6,095		717,007	
Galvanized wire.....	61		7,105	
Barbed wire.....	1,912		214,928	
Wire cloth and screening.....	100		9,179	
Other wire and manufactures of.....	62		13,681	
Car wheels and axles.....	509		46,547	
Steel castings, n. e. s.....	30		7,967	
Iron and steel forgings, n. e. s.....	39		13,553	
Bathtubs.....	64		19,424	
Other metal furniture.....	10		4,131	
Wire nails.....	425		50,896	
Other nails, including tacks.....	43		7,435	
Bolts, nuts, rivets, and washers, except railroad.....	97		10,199	
Stoves and ranges.....	6		1,691	
Warm-air heating furnaces.....	19		4,380	
Axes.....	8		3,000	
Horseshoes.....	23		2,862	
Other manufactures of iron or steel, n. e. s.....	444		68,126	
Wire, copper.....	1		551	
Machinery and vehicles.....		8,474		\$5,226,987
Locomotives.....	106		3,900	
Engine accessories and parts.....	32		8,528	
Internal combustion engines.....	300		119,442	
Generators.....	2		1,962	
Motors.....	8		7,175	
Motor-driven household devices.....	23		10,519	
Other electrical apparatus, n. e. s.....	12		13,774	
Steam shovels.....	72		36,191	
Road plows, scrapers, and rollers.....	30		5,942	
Hoists and derricks, except mining.....	10		3,939	
Rock drills.....	66		43,882	
Grinding machines.....	4		1,269	
Other metal-working machinery, and parts of.....	28		33,969	
Sewing machines.....	10		5,387	
Typewriters.....	1		5,659	
Dairy machinery and parts.....	28		8,169	
Printing presses.....	43		30,850	
Other machinery and parts of, except agricultural.....	1,159		498,038	
Harrows.....	43		8,065	
Cultivators.....	12		2,473	
Other cultivating implements and parts.....	4		1,236	
Mowers, except lawn mowers.....	219		41,792	
Hay rakes.....	40		11,647	
Other harvesting implements and parts.....	457		105,959	
Farm tractors.....	335		201,955	
Other agricultural machinery, implements and parts.....	5		1,290	
Automobiles, commercial.....	4		4,275	
Automobiles, passenger.....	3,478		3,466,758	
Chassis.....	225		237,473	
Parts of automobiles, except engines and tires.....	126		83,745	
Row boats.....	10		5,804	
Parts of cars, except axles and wheels.....	1,204		201,616	
Wheels, except automobiles and cars.....	12		2,197	
Other vehicles and parts of.....	46		9,104	
Chemicals.....		1,603		297,851
Acetic acid.....	261		48,317	
Alcohol, denatured.....	34		18,270	
Other alcohol.....	69		39,690	
Acetate of lime.....	134		7,890	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Chemicals—Continued.				
Calcium carbide.....	12		\$3,270	
Dextrine.....	95		11,868	
Formaldehyde.....	123		94,080	
Soda ash.....	23		814	
Other sodium compounds.....	22		11,590	
Washing powder.....	62		5,630	
Ochre.....	601		17,921	
Bone black.....	28		7,840	
Carbon and lampblack.....	65		14,700	
Paints.....	19		4,634	
Soap, toilet.....	2		919	
Other soap.....	53		10,329	
Unclassified.....		700		\$181,971
Total.....		5,643,169		97,314,328
Total imports and exports.....		5,682,210		99,268,024

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Coal, bituminous.....	1,176,501		1,176,501	\$11,765,010	\$11,765,010	Miles. 1 570	Cents. 0.0042
Animals and animal prod- ucts, except wool and hair.....			91		15,600		
Horses.....		3		1,500		12	(*)
Fresh meat.....		50		2,200		12	.237
Eggs.....		28		8,400		12	.66
Fresh fish.....		10		3,500		12	.18
Vegetable food products.....			146		14,820		
Corn meal.....		20		1,000		12	.27
Flour.....		12		1,280		12	.18
Hay.....		30		1,800		12	.20
Peanuts.....		72		7,920		12	.176
Sugar.....		12		3,840		12	.175
Nonmetallic minerals: Brick.....	535		535	4,710	4,710	12	(*)
Machinery and vehicles: Automobile.....		1	1	1,500	1,500	12	.70
Unclassified: All other ar- ticles, n. e. s.....		1,039	1,039	40,000	40,000	12	.36
Total receipts and shipments.....	535	1,277	1,812		76,630		

¹ Approximate; based on 56 per cent of coastwise shipments from Hampton Roads.² Approximate.³ No statistics available.

Freight traffic, 1920—Continued.
RAILROAD CAR FERRY TRAFFIC.

Commodities.	Amounts in short tons.	Value.
Grain.....	11,676	\$817,320
Cotton.....	30	10,200
Cotton factory products.....	1,084	1,551,000
Lumber.....	16,787	369,314
Coal, bituminous.....	163,386	1,633,860
Fertilizer.....	11,703	81,921
Unclassified.....	329,470	42,831,000
Total.....	534,086	47,294,615

CARGOES IN TRANSIT.

Rice.....	388	\$96,880
Grain.....	234,352	16,404,651
Flour.....	23,031	2,303,056
Canned goods, groceries, etc.....	972	291,648
Cottonseed cake.....	242	19,837
Sugar.....	80,382	25,722,368
Tobacco.....	2,620	3,929,670
Naval stores.....	4,539	363,149
Tanning extract.....	255	30,643
Cotton.....	45,331	15,412,499
Railroad ties.....	3,608	180,376
Lumber.....	109,538	4,205,147
Staves.....	2,779	111,149
Coal.....	310,633	3,108,331
Petroleum oils.....	300,968	13,091,562
Gasoline and naphtha.....	37,765	2,265,917
Wax, paraffin.....	306	53,312
Cement.....	1,008	17,136
Sulphur.....	31,602	347,621
Pig iron.....	3,949	296,184
Steel billets.....	8,924	535,450
Steel rails.....	444	32,377
Iron and steel, manufactured.....	19,821	1,783,858
Other metals.....	7,986	1,197,840
Machinery.....	4,126	1,650,432
Automobiles and trucks.....	30	30,240
Nitrates of soda.....	159,608	15,960,784
Phosphate rock.....	91,311	1,369,670
Unclassified.....	918,280	274,381,736
Total.....	2,404,797	384,327,513

Freight traffic, 1920—Continued.
SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	38	\$11,280	7,086	\$2,991,062					7,215	\$3,017,942
Vegetable food products.....	2	1,520	126,942	14,094,398					126,960	14,110,738
Other vegetable products, except fibers and wood.....	5,602	345,022	14,526	13,573,426					20,128	13,918,457
Textiles.....			478	2,463,301					30,478	463,301
Wood and paper.....	8,073	860,704	22,385	2,092,386					30,438	2,953,090
Nonmetallic minerals.....	15,121	144,838	5,422,731	54,504,575	1,176,501	\$11,765,010	535	4,710	6,614,888	66,419,133
Ores, metals and manufactures of, except machinery and vehicles.....	4,572	118,347	38,364	3,888,362					42,936	4,006,709
Machinery and vehicles.....	4	2,000	8,474	5,226,967			1	1,500	9,979	5,230,467
Chemicals.....	4,391	236,745	1,603	297,851					5,994	537,596
Unclassified.....	1,238	230,240	700	181,971			1,039	40,000	41,938	452,211
Total.....	39,041	1,953,696	5,643,169	97,314,328	1,176,501	11,765,010	1,812	76,630	6,890,523	111,109,664
								Short tons.		Value.
Car ferry.....									534,086	\$47,264,615
Cargoes in transit.....									2,404,797	384,327,513

About 83 per cent of the traffic of this port in 1920 was foreign and of this about 95 per cent was export bituminous coal.

The principal foreign exports during 1920 and their tonnages and values were as follows:

	Tons.	Value.
Vegetable-food products.....	126, 842	\$14, 094, 398
Lumber and other forest products.....	22, 365	2, 092, 386
Bituminous coal.....	5, 419, 168	54, 191, 680

Imports were relatively small, having a tonnage of 39,041 short tons and a value of \$1,953,696. The principal imports were dye woods, wood pulp, china clay, and fertilizer material.

No inbound coastwise traffic was reported for the year. The outbound coastwise traffic consisted of 1,176,501 short tons of bituminous coal, having an estimated value of \$11,765,010. The internal traffic amounted to but 1,812 short tons, with a value of \$76,630.

The total shipments of coal from the Newport News coal piers amounted to 6,595,669 short tons, nearly two and one-half times the amount shipped in 1919.

Vessel classification, 1920.¹

ENTERED.

Trade and nationality of vessels.	Steam.		Sail.		Total.	
	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Net registered tonnage.
Foreign trade:						
American vessels.....	130	369, 276	22	32, 429	152	401, 705
Foreign vessels.....	604	1, 578, 368	49	72, 283	653	1, 650, 651
Total.....	734	1, 947, 644	71	104, 712	805	2, 052, 356
Coastwise trade:						
American vessels ²	265	1, 569, 548	21	26, 680	286	1, 596, 228
Foreign vessels.....	351	893, 292	30	36, 408	381	929, 700
Total.....	616	2, 462, 840	51	63, 088	667	2, 525, 928
Total foreign and coastwise trade.....	1, 350	4, 410, 484	122	167, 800	1, 472	4, 578, 284

CLEARED.

Trade and nationality of vessels.	Steam.		Sail.		Total.	
	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Net registered tonnage.
Foreign trade:						
American vessels.....	426	1, 395, 699	58	68, 264	484	1, 463, 963
Foreign vessels.....	1, 056	3, 093, 112	36	47, 848	1, 092	3, 140, 960
Total.....	1, 482	4, 488, 811	94	116, 112	1, 576	4, 604, 923
Coastwise trade:						
American vessels ²	99	270, 881	5	7, 647	104	278, 528
Foreign vessels.....	123	397, 187	3	4, 005	126	401, 192
Total.....	222	668, 068	8	11, 652	230	679, 720
Total foreign and coastwise trade.....	1, 704	5, 156, 879	102	127, 764	1, 806	5, 284, 643

¹ Includes only vessels that entered and cleared through customhouse.

² Statistics incomplete; American vessels enrolled in coastwise trade not required to enter or clear.

NOTE.—The above tabulation includes vessels with cargoes pertaining to the port; also vessels in transit with cargoes or in ballast, calling at the port for bunker fuel, or other purposes.

JAMES RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value. ¹	Passengers. ²	Year.	Tons.	Value. ¹	Passengers. ²
1890 ³	743,122			1906	527,818		
1891 ³	739,308			1907	560,037	\$32,957,000	
1892 ³	616,765			1908	462,268	29,329,589	
1893 ³	663,625			1909	476,465	32,163,423	
1894 ³	616,269			1910	627,684	30,202,696	111,106
1895 ³	602,582			1911	472,537	27,004,595	47,456
1896	680,935			1912	507,023	31,163,717	38,610
1897	661,909			1913	592,165	33,523,461	43,007
1898	472,778			1914	452,950	32,813,455	37,842
1899	571,902			1915	526,468	51,899,841	81,839
1900	609,411			1916	593,775	67,011,946	68,094
1901	652,451			1917	715,255	70,944,786	49,488
1902	549,310			1918	513,461	104,379,882	40,877
1903	606,180			1919	507,581	61,238,865	31,875
1904	524,046			1920	429,782	17,075,381	
1905	604,762						

¹ No statistics available for years prior to 1907.² No statistics available for years prior to 1910 or for year 1920.³ These statistics apparently for fiscal year ending June 30.

(Navigation season, Jan. 1 to Dec. 31, 1920.)

Freight traffic, 1920.

RICHMOND, VA.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL.							
Animals and animal products, except wool and hair: Hides.....		1	1	\$600	\$600	Miles. (1)	Cents. (1)
Vegetable food products.....			3,278		921,717		
Wheat.....		424		28,408		(1)	(1)
Hay.....		20		525		(1)	(1)
Prepared feed.....		100		7,200		423	(1)
Coffee.....	1,725			660,000		423	(1)
Sugar.....	601			192,320		423	(1)
Canned vegetables.....		408		3,264		(1)	(1)
Other vegetable products, except fiber and wood.....			2,545		2,811,000		
Seed.....		825		231,000		423	(1)
Leaf tobacco.....		1,720		2,580,000		423	(1)
Textiles.....			3,475		811,860		
Bags.....		3,435		810,660		423	(1)
Cotton fabrics.....		40		1,200		423	(1)
Wood and paper.....			22,593		544,850		
Hardwood logs.....	7,419			74,000		125	(1)
Softwood logs.....	13,609			272,000		125	(1)
Lumber.....	750			15,000		(1)	(1)
Blotting paper.....		515		154,500		423	(1)
Paper.....		50		4,500		423	(1)
Rags.....		85		3,400		423	(1)
Pencil slats.....		165		21,450		423	(1)
Nonmetallic minerals.....			86,008		4,745,123		
Brick.....	2,165			11,539		(1)	(1)
Anthracite coal.....	4,404			44,645		295	0.0035
Gasoline.....	47,391			3,391,253		109	(1)
Illuminating oil.....	19,741			789,640		107	(1)
Gas oil.....	9,438			336,502		107	(1)
Fuel oil.....	2,554			77,044		107	(1)
Miscellaneous oils.....		315		94,500		423	(1)

¹ No statistics available.² Between New York and Richmond. Haul in James River 100 miles.³ Haul in James River 100 miles.⁴ Baltimore to Richmond. Haul in James River 100 miles.

Freight traffic, 1920—Continued.

RICHMOND, VA.—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Pack- age.		By commodities.	By classes.		
INTERNAL—continued.							
Ores, metals, and manufactures, except machinery and vehicles.			650		\$192,100	Miles.	Cents.
Manufactured iron and steel.	80			\$8,000		423	(1)
Lead foil.	570			184,100		423	(1)
Chemicals.			8,914		349,128		
Glycerine.		100		103,960		423	(1)
Phosphate rock.	1,140			13,680		116	0.007
Acid phosphate.	2,393			46,663		236	.0061
Fertilizer.	5,281			184,835		113	.0075
Unclassified.			7,064		2,351,045		
Building material.	650			3,296		100	(1)
General merchandise.		5,850		2,193,750		423	(1)
All other articles, n. e. s.		555		154,000		423	(1)
Total receipts and shipments.	117,594	16,934	134,528		12,727,423		

POINTS ON JAMES RIVER BELOW RICHMOND, VA.

INTERNAL.							
Animals and animal prod- ucts, except wool and hair.			370		\$120,200	Miles.	Cents.
Live stock.		155		\$55,200		44	60.088
Poultry and eggs.		5		4,400		(7)	(7)
Packing-house products.		1		700		60	.013
Beef and pork, fresh.		60		23,400		8	(1)
Boots and shoes.		1		1,500		60	.016
Fish, fresh.		36		13,900		(9)	9.014
Fish, salt.		5		1,100		60	.008
Oysters, opened.		107		20,000		8	.40
Vegetable food products.			7,695		422,571		
Corn.		248		16,958		10 55	11.01
Wheat.		87		8,682		53	(1)
Corn meal.		582		26,000		8	(1)
Flour.		422		43,950		9	.08
Hay.		1,089		23,633		13 15	10.055
Fruits and vegetables.		2,972		121,448		8	(7)
Sugar.		36		14,000		17	.042
Feeds and seeds.		800		4,000		8	.06
Canned goods.		10		3,000		60	.01
Straw.		50		900		60	(1)
Groceries.		50		15,000		60	.013
Peanuts.		1,262		145,000		10	14.074
Textiles: Dry goods.		5	5	7,000	7,000	60	.033
Wood and paper.			76,885		3,189,890		
Lumber.	14,898			297,920		15 254	10.0087
Cordwood.	14,210			71,050		17 344	10.0085
Railroad ties.	2,365			28,380		19 355	10.007

1 No statistics available.

2 Between New York and Richmond. Haul in James River 190 miles.

3 Haul in James River 101 miles.

4 Based on 5,240 tons between New York and Richmond.

5 Based on 65 tons.

6 Available statistics incomplete.

7 Average haul in James River 35 miles.

8 Based on 28 tons.

9 Based on 282 tons.

10 Based on 154 tons.

11 Based on 875 tons.

12 Based on 850 tons.

13 Based on 1,220 tons.

14 Based on 8,345 tons; average haul in James River 42 miles.

15 Based on 7,037 tons.

16 Average haul in James River 67 miles.

17 Based on 1,017 tons.

18 Based on 1,865 tons; average haul in James River 61 miles.

19 Based on 500 tons.

JAMES RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value. ¹	Passengers. ²	Year.	Tons.	Value. ¹	Passengers. ³
1890 ³	743, 122			1906	527, 818		
1891 ³	739, 308			1907	560, 037	\$32, 957, 000	
1892 ³	616, 755			1908	462, 268	29, 329, 589	
1893 ³	663, 625			1909	476, 465	32, 163, 423	
1894 ³	616, 269			1910	627, 684	30, 202, 696	111, 106
1895 ³	602, 582			1911	472, 537	27, 004, 595	47, 456
1896	680, 935			1912	507, 023	31, 163, 717	38, 610
1897	661, 909			1913	592, 165	33, 523, 461	43, 097
1898	472, 778			1914	452, 950	32, 813, 455	37, 842
1899	571, 802			1915	526, 468	51, 899, 841	81, 839
1900	609, 411			1916	593, 775	67, 011, 946	68, 094
1901	652, 451			1917	715, 255	70, 944, 786	49, 488
1902	549, 310			1918	513, 461	104, 379, 882	40, 877
1903	606, 180			1919	507, 581	61, 238, 865	31, 875
1904	524, 046			1920	429, 782	17, 075, 381	
1905	604, 762						

¹ No statistics available for years prior to 1907.² No statistics available for years prior to 1910 or for year 1920.³ These statistics apparently for fiscal year ending June 30.

[Navigation season, Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

RICHMOND, VA.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL.							
Animals and animal products, except wool and hair: Hides.....		1	1	\$600	\$600	Miles. (1)	Cents. (1)
Vegetable food products.....			3, 278		921, 717		
Wheat.....		424		28, 408		(1)	(1)
Hay.....		20		525		(1)	(1)
Prepared feed.....		100		7, 200		1 423	(1)
Coffee.....	1, 725			660, 000		1 423	(1)
Sugar.....	601			192, 320		1 423	(1)
Canned vegetables.....		408		3, 264		(1)	(1)
Other vegetable products, except fiber and wood.....			2, 545		2, 811, 000		
Seed.....		825		231, 000		1 423	(1)
Leaf tobacco.....	1, 720			2, 580, 000		1 423	(1)
Textiles.....			3, 475		811, 860		
Bags.....		3, 435		810, 660		1 423	(1)
Cotton fabrics.....		40		1, 200		1 423	(1)
Wood and paper.....			22, 593		544, 850		
Hardwood logs.....	7, 419			74, 000		1 125	(1)
Softwood logs.....	13, 609			272, 000		1 125	(1)
Lumber.....	750			15, 000		(1)	(1)
Blotting paper.....		515		154, 500		1 423	(1)
Paper.....		50		4, 500		1 423	(1)
Rags.....		85		3, 400		1 423	(1)
Pencil slats.....		165		21, 450		1 423	(1)
Nonmetallic minerals.....			86, 008		4, 745, 123		
Brick.....	2, 165			11, 539		(1)	(1)
Anthracite coal.....	4, 404			44, 645		1 295	(1)
Gasoline.....	47, 391			3, 391, 253		1 109	(1)
Illuminating oil.....	19, 741			789, 640		1 107	(1)
Gas oil.....	9, 438			336, 502		1 107	(1)
Fuel oil.....	2, 554			77, 044		1 107	(1)
Miscellaneous oils.....		315		94, 500		1 423	(1)
							0.0035

¹ No statistics available.² Between New York and Richmond. Haul in James River 100 miles.³ Haul in James River 100 miles.⁴ Baltimore to Richmond. Haul in James River 100 miles.

Freight traffic, 1920—Continued.

RICHMOND, VA.—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Pack- age.		By com- modities.	By classes.		
INTERNAL—continued.							
Ores, metals, and manufactures, except machinery and vehicles.			650		\$192,100	Miles.	Cents.
Manufactured iron and steel.	80			\$8,000		2 423	(1)
Lead foil.	570			184,100		2 423	(1)
Chemicals.			8,914		349,128		
Glycerine.		100		103,950		2 423	(1)
Phosphate rock.	1,140			13,680		2 116	0.007
Acid phosphate.	2,393			46,663		2 236	.0081
Fertilizer.	5,281			184,835		2 113	.0075
Unclassified.			7,064		2,351,045		
Building material.	650			3,295		100	(1)
General merchandise.		5,850		2,193,750		2 423	(1)
All other articles, n. e. s.		555		154,000		2 423	(1)
Total receipts and shipments.	117,594	16,934	134,528		12,727,423		

POINTS ON JAMES RIVER BELOW RICHMOND, VA.

INTERNAL.							
Animals and animal prod- ucts, except wool and hair.			370		\$120,200	Miles.	Cents.
Live stock.	155			\$55,200		44	60.088
Poultry and eggs.	5			4,400		(7)	(7)
Packing-house products.	1			700		60	.013
Beef and pork, fresh.	60			23,400		8	(1)
Boots and shoes.	1			1,500		60	.016
Fish, fresh.	36			13,900		(8)	.014
Fish, salt.	5			1,100		60	.008
Oysters, opened.	107			20,000		8	.40
Vegetable food products.			7,665		422,571		
Corn.	248			16,958		10 55	11 .01
Wheat.	87			8,682		53	(1)
Corn meal.	582			26,000		8	(1)
Flour.	422			43,950		9	.08
Hay.	1,089			23,633		12 15	12 .055
Fruits and vegetables.	2,972			121,448		8	(7)
Sugar.	36			14,000		17	.042
Feeds and seeds.	800			4,000		8	.06
Canned goods.	10			3,000		60	.01
Straw.	50			900		60	(1)
Groceries.	50			15,000		60	.013
Peanuts.	1,262			145,000		10	14 .074
Textiles: Dry goods.	5		5	7,000	7,000	60	.033
Wood and paper.			76,885		3,189,890		
Lumber.	14,898			297,920		15 254	16 .0087
Cordwood.	14,210			71,050		17 344	18 .0085
Railroad ties.	2,365			28,380		19 355	20 .007

¹ No statistics available.² Between New York and Richmond. Haul in James River 190 miles.³ Haul in James River 100 miles.⁴ Based on 5,230 tons between New York and Richmond.⁵ Based on 65 tons.⁶ Available statistics incomplete.⁷ Average haul in James River 35 miles.⁸ Based on 26 tons.⁹ Based on 282 tons.¹⁰ Based on 154 tons.¹¹ Based on 875 tons.¹² Based on 850 tons.¹³ Based on 1,220 tons.¹⁴ Based on 8,145 tons; average haul in James River 42 miles.¹⁵ Based on 7,037 tons.¹⁶ Average haul in James River 67 miles.¹⁷ Based on 1,017 tons.¹⁸ Based on 1,865 tons; average haul in James River 61 miles.¹⁹ Based on 500 tons.

Freight traffic, 1920—Continued.

POINTS ON JAMES RIVER BELOW RICHMOND, VA.—Continued.

Classes and com- modities.	Amount in short tons by com- modities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Rate per ton- mile.
	Bulk.	Pack- age.		By com- modities.	By classes.		
INTERNAL—continued.							
Wood and paper—Contd.						<i>Miles.</i>	<i>Cents.</i>
Pulp wood.....	1, 872			\$11, 340		²¹ 271	²⁰ 0.0081
Box shooks.....		43, 300		2, 771, 200		²² 355	.004
Staves.....	240			10, 000		15	.027
Nonmetallic minerals.....			203, 842		\$242, 066		
Gasoline and kerosene.....		563		44, 730		48	(¹)
Lubricating oils.....		3		325		55	(¹)
Anthracite coal.....	45			630		54	(¹)
Salt.....		1		20		60	.008
Building lime.....		822		8, 460		8	(¹)
Cement.....		53		927		60	.01
Building brick.....	2, 403			12, 816		60	.014
Sand and gravel.....	190, 952			174, 158		67	(¹)
Ores, metals, and manufac- tures, except machinery and vehicles: Wrought- iron pipe.....	1		1	400	400	8	(¹)
Machinery and vehicles: Automobiles and parts.....		33	33	97, 500	97, 500	8	(¹)
Chemicals.....			3, 122		110, 000	8	(¹)
Paint.....		22		3, 000		8	(¹)
Fertilizer and fertilizer material.....		3, 100		107, 000		18	²³ .025
Unclassified.....			3, 301		158, 331		
Merchandise.....		225		45, 000		²⁴ 46	.014
Building material.....	2			200		60	.01
All other articles, n. e. s.....	3, 074			113, 131		15	²⁵ .016
Total.....	239, 062	56, 192	295, 254		4, 347, 958	(^a)	
Total, Richmond and points below.....	356, 656	73, 126	429, 782		17, 075, 381		

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	371	\$120, 800
Vegetable food products.....	10, 973	1, 344, 288
Other vegetable products.....	2, 545	2, 811, 000
Textiles.....	3, 480	818, 860
Wood and paper.....	99, 478	3, 734, 740
Nonmetallic minerals.....	289, 850	4, 987, 180
Ores, metals, and manufactures, except machinery and vehicles.....	651	192, 500
Machinery and vehicles.....	33	97, 500
Chemicals.....	12, 036	450, 128
Unclassified.....	10, 365	2, 509, 376
Total.....	429, 782	17, 075, 381

¹ No statistics available.⁷ Available statistics incomplete.⁸ Average haul in James River 35 miles.¹¹ Based on 1,122 tons; average haul in James River 51 miles.²² Average haul in James River 32 miles.²³ Based on 3,050 tons.²⁴ Based on 125 tons.²⁵ Based on 2,611 tons.

Vessel classification, 1920.

PORT OF RICHMOND, VA.

Class.	Ameri- can.	Draft, in feet.		Arrivals and de- partures.	Net registered tonnage.
		Least.	Greatest.		
Registered:					
Steamships.....	2	(1)	12	42	2,350
Motor vessels.....	3	(1)	11	80	1,791
Towboats.....	8	6	14	(1)	722
Barges.....	26	6	11	(1)	12,005
Steamboat.....	1	(1)	7	(1)	58
Unregistered:					
Barges.....	8	(1)	(1)	244	(1)
Total.....	48				

¹ No statistics available.

APPOMATTOX RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers. ¹	Year.	Tons.	Value.	Passengers. ²
1890.....	21,693	\$507,852		1906.....	30,438	510,924	
1891.....	26,275	(1)		1907.....	30,000	(1)	
1892.....	25,218	644,103		1908.....	31,830	365,200	
1893.....	(1)	(1)		1909.....	38,489	630,250	
1894.....	(1)	(1)		1910.....	20,973	416,142	
1895.....	(1)	(1)		1911.....	24,430	(1)	
1896.....	81,318	(1)		1912.....	34,284	(1)	
1897.....	84,036	(1)		1913.....	33,252	1,036,840	
1898.....	95,941	(1)		1914.....	40,172	1,364,186	
1899.....	(1)	(1)		1915.....	46,600	3,318,908	
1900.....	155,745	752,530		1916.....	85,110	5,094,994	
1901.....	145,509	859,921		1917.....	335,947	3,353,962	2,009
1902.....	100,648	909,158		1918.....	208,306	182,220	
1903.....	103,628	1,045,601		1919.....	300,000	231,000	
1904.....	42,245	510,424		1920.....	199,952	188,356	
1905.....	53,282	638,895					

¹ No statistics available.² No statistics for passengers available except for 1917.

[Navigation season: January, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
SHIPMENTS.						
Nonmetallic minerals.....		199,952		\$188,356	Miles. 90	(1)
Sand.....	57,976		\$46,380			
Gravel.....	141,976		141,976			
Total.....	199,952	199,952		188,356		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Nonmetallic minerals.....	199,952	\$188,356

¹ Freight carried in owner's barges, cost unknown.

Vessel classification, 1920.¹

Class.	Ameri- can.	Net reg- istered tonnage.	Depar- tures.	Arrivals.
Tugboats.....	2	80	100	100
Barges.....	5	675	450	450
Total.....	7	755	550	550

¹ Approximate.

PAGAN RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1901.....	108,058	\$1,040,899	(1)	1911.....	137,739	(2)	61,940
1902.....	75,614	5,711,819	(1)	1912.....	48,976	\$8,124,675	67,006
1903.....	120,121	8,424,848	(1)	1913.....	58,951	14,076,617	63,796
1904.....	85,128	6,651,300	(1)	1914.....	52,858	12,753,124	61,874
1905.....	82,207	7,410,966	(1)	1915.....	49,194	12,089,700	57,815
1906.....	87,505	8,635,300	(1)	1916.....	35,473	8,323,900	56,340
1907.....	89,289	13,263,101	(1)	1917.....	18,834	5,650,200	38,786
1908.....	84,108	14,100,400	(1)	1918.....	37,554	6,125,273	35,878
1909.....	84,424	(2)	(1)	1919.....	23,113	4,908,211	29,480
1910.....	109,160	(2)	55,789	1920.....	13,500	895,360	6,672

¹ Not available prior to 1910.² Not available.³ Steamboat line operated Apr. 26 to Dec. 31, 1920.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amounts in short tons, by classes.	Value.		Average haul. ¹	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS AND SHIPMENTS, INTERNAL.							
Animals and animal prod- ucts, except wool and hair.			496	\$187,080		Miles. 24	Cents.
Horses.....		27		\$8,100			(5)
Sheep.....		14		5,600			(2)
Poultry.....		25		12,500			40
Eggs.....		69		20,700			40
Pork, carcasses, fresh.....		48		15,000			11
Beef, fresh.....		12		6,000			40
Fish, fresh.....		10		3,500			(5)
Smoked meats, hams, bacon, and shoulders.....		184		95,680			11
Oysters, opened.....		107		20,000			40
Vegetable food products.....			6,767		396,050	24	
Corn meal.....		582		26,000			16
Flour.....		413		42,400			9
Hay.....		750		13,650			10
Irish potatoes.....		2,320		75,000			14.2
Beans, green.....		580		40,000			(7)
Apples.....		40		5,000			14.2
Sugar.....		30		12,000			9.6
Peanuts.....		1,200		137,000			8.8
Peanut hulls.....		52		5,000			(7)
Feeds and seeds.....		800		40,000			6
Wood and paper: Pulp wood.....	198		198	2,970	2,970	24	6
Nonmetallic minerals.....			872		13,360	24	
Lime.....		812		8,360			5
Oil, lubricating.....		60		5,000			(7)

¹ All freight carried 8 miles in Pagan River.² No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS AND SHIPMENTS, INTERNAL—continued.							
Ores, metals, and manufactures, except machinery and vehicles: Wrought-iron pipe.....		1	1	\$400	\$400	Miles. 24	Cents. 16
Machinery and vehicles: Automobiles and parts.....		33	33	97,500	97,500	24	30
Chemicals.....			2,522		103,000	24	
Fertilizer and fertilizer material.....	2,500			100,000			5
Paint.....		22		3,000			27
Unclassified: All other articles n. e. s.....	2,611		2,611	95,000	95,000	24	16
Total.....	5,309	8,191	13,500		895,360		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	496	\$187,080
Vegetable food products.....	6,767	396,050
Wood and paper.....	198	2,970
Nonmetallic minerals.....	872	13,360
Ores, metals, and manufactures, except machinery and vehicles.....	1	400
Machinery and vehicles.....	33	97,500
Chemicals.....	2,522	103,000
Unclassified.....	2,611	95,000
Total.....	13,500	895,360

Vessel classification, 1920.

Class.	American.	Net registered tonnage.	Arrivals.	Departures.	Passengers.
Steamers.....	1	268	233	233	6,672
Barges.....	2	770	2	2	
Total.....	3	1,038	235	235	6,672

NANSEMOND RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers. ¹	Year.	Tons.	Value.	Passengers. ²
1890.....	217,738	(1)	.....	1906.....	91,063	\$4,239,518	.....
1891.....	78,572	(1)	.....	1907.....	156,200	4,360,749	.....
1892.....	133,723	(1)	.....	1908.....	132,292	3,651,525	.....
1893.....	59,473	(1)	.....	1909.....	96,251	(1)	.....
1894.....	53,762	\$1,488,911	.....	1910.....	96,794	(1)	1,927
1895.....	59,701	(1)	.....	1911.....	78,041	(1)	5,164
1896.....	61,405	(1)	.....	1912.....	63,709	2,402,920	3,428
1897.....	43,500	(1)	.....	1913.....	88,821	2,369,860	3,685
1898.....	31,796	815,860	.....	1914.....	81,738	554,865	.....
1899.....	(1)	(1)	.....	1915.....	50,351	570,738	.....
1900.....	16,693	244,925	.....	1916.....	38,721	472,410	.....
1901.....	119,892	1,737,081	.....	1917.....	36,822	495,966	.....
1902.....	50,950	720,156	.....	1918.....	49,289	714,154	.....
1903.....	36,127	1,244,334	.....	1919.....	38,811	412,654	.....
1904.....	22,119	459,225	.....	1920.....	57,278	1,094,390	.....
1905.....	77,204	797,592	.....			

¹ No statistics available.² No statistics available between 1890 and 1909 and between 1914 and 1920.

(Navigation season, Jan. 1, 1920, to Dec. 31, 1920.)

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS AND SHIPMENTS.							
Vegetable food products:							
Fruits and vegetables, fresh.....		15	15	\$900	\$900	Miles. (1)	Cents. (1)
Wood and paper.....			25,288	719,563	728,863	\$ 375	\$ 0.8
Lumber.....	24,250			9,000		(1)	(1)
Wood pulp.....	1,038				257,192	(1)	(1)
Nonmetallic minerals.....			29,794			(1)	(1)
Coal.....	154			1,270		(1)	(1)
Sand and gravel.....	4,701			11,677		28	(1)
Cement.....		766		13,405		(1)	(1)
Building brick.....	24,173			230,840		28	(1)
Ores, metals, and manufactures:							
Iron pipe.....	122		122	7,320	7,320	28	(1)
Chemicals: Fertilizer.....		15	15	900	900	(1)	(1)
Unclassified: All other articles, n. e. s.....		2,044	2,044	99,515	99,515	(1)	(1)
Total.....	54,438	2,840	57,278		1,094,390		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Vegetable food products.....	15	\$900
Wood and paper.....	25,288	728,863
Nonmetallic minerals.....	29,794	257,192
Ores, metals, and manufactures.....	122	7,320
Chemicals.....	15	900
Unclassified, all other articles n. e. s.....	2,044	99,515
Total.....	57,278	1,094,390

¹ No statistics available.² 18 miles in Nansemond River, 15,612 tons coastwise to north Atlantic ports, destinations of remainder unknown.³ Applies only to 15,612 tons referred to in (²).⁴ Transported by owner, rate unknown.

Vessel classification, 1920.

Data too incomplete for report.

HARBOR AT CAPE CHARLES CITY, VA.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers. ¹	Year.	Tons.	Value.	Passengers. ¹
1900.....	390,207	(²)	.....	1906.....	1,723,635	\$25,854,525	.....
1901.....	319,164	(²)	.....	1907.....	2,121,301	53,032,525	.....
1902.....	341,260	\$13,190,964	.....	1908.....	1,811,731	45,293,275	.....
1903.....	393,352	15,150,000	.....	1909.....	2,355,984	(²)	144,849
1904.....	427,723	17,108,920	.....	1910.....	2,567,704	(²)	145,801
1905.....	455,269	18,211,760	.....	1911.....	2,460,301	(²)	155,153
1906.....	487,004	(²)	.....	1912.....	2,729,121	71,199,278	164,703
1907.....	(²)	(²)	.....	1913.....	3,021,344	83,278,268	181,879
1908.....	569,894	(²)	.....	1914.....	2,780,352	116,395,251	174,861
1909.....	591,298	(²)	.....	1915.....	3,093,388	203,418,929	182,058
1900.....	(²)	(²)	.....	1916.....	3,993,894	405,549,777	204,226
1901.....	940,646	9,369,210	.....	1917.....	3,862,044	329,764,034	300,000
1902.....	1,031,598	10,315,980	.....	1918.....	3,527,987	408,222,464	580,648
1903.....	1,155,952	11,559,520	.....	1919.....	3,309,407	336,854,268	550,385
1904.....	1,404,146	14,041,460	.....	1920.....	3,710,296	436,053,205	458,791
1905.....	1,512,798	15,127,980	.....			

¹ No statistics available prior to 1909.² No statistics available.

[Navigation season, Jan. 1, 1920, to Dec. 31, 1920.]

*Freight traffic, 1920.***RAILROAD CAR FERRY TRAFFIC.**

Commodities.	Amounts in short tons.	Value.
RECEIPTS AND SHIPMENTS.		
Fresh meat.....	4,383	\$1,402,560
Meats, salt and smoked.....	8,822	3,969,900
Fresh milk.....	122	15,000
Fresh fish and oysters.....	19,876	4,372,720
Hides.....	1,250	262,500
Boots and shoes.....	2,352	8,782,368
Fruits and vegetables.....	189,303	14,613,663
Peanuts.....	25,751	2,832,610
Cottonseed oil.....	126,021	40,325,720
Cotton.....	7,561	2,570,740
Cotton piece goods.....	25,313	37,969,500
Dry goods.....	5,893	11,786,000
Lumber.....	1,247,723	27,449,906
Manufactures of wood.....	453,777	54,453,240
Anthracite coal.....	45,049	489,000
Bituminous coal.....	25,194	188,953
Petroleum oils.....	58,825	2,892,425
Building material.....	2,865	15,184
Cement.....	117,622	2,058,385
Lime.....	11,762	117,622
Brick.....	5,947	31,519
Manufactures of iron and steel.....	109,297	9,566,730
Machinery and castings.....	47,049	8,468,820
Automobiles and other vehicles.....	10,770	4,308,000
Fertilizer and fertilizer material.....	258,769	15,526,140
Unclassified.....	908,000	181,600,000
Total.....	3,710,296	436,053,205

Vessel classification, 1920.

Class.	Amer- ican.	Net reg- istered tonnage.	Arrivals.	Depart- ures.	Draft.	Passen- gers.
Registered:					<i>Fed.</i>	
Steamers.....	3	2,207	2,206	2,206	9 1/2 to 12	458,791
Barges.....	10	13,275	8,529	8,529	6 to 10	.....
Towboats.....	9	1,318	8,555	8,555	12 to 14	.....
Total.....	22	16,800	19,290	19,290	.....	458,791

ONANCOCK RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1909.....	47,119	\$2,903,130	(¹)	1915.....	21,046	\$1,641,325	4,336
1910.....	47,696	(¹)	(¹)	1916.....	17,588	1,916,812	3,774
1911.....	48,057	2,980,924	4,567	1917.....	16,630	3,213,550	3,774
1912.....	52,824	3,001,192	3,240	1918.....	11,048	1,319,945	2,547
1913.....	52,025	2,955,319	3,256	1919.....	14,330	1,362,882	3,664
1914.....	18,755	1,177,636	4,731	1920.....	14,243	1,306,810	(¹)

¹ No statistics available.

[Navigation season, Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL.							
Vegetable food products:						Miles.	Cents.
Grain products.....		392	392	\$27,440	\$27,440	(1)	(1)
Wood and paper: Lumber.....	167		167	10,020	10,020	(1)	(1)
Nonmetallic minerals.....			1,176		7,365		
Coal, anthracite.....	176			2,640		(1)	(1)
Building brick.....	1,000			4,725		100	2
Chemicals: Fertilizer.....		721	721	50,470	50,470	(1)	(1)
Unclassified: All other arti- cles, n. e. s.....		2,492	2,492	311,500	311,500	(1)	(1)
Total.....	1,343	3,605	4,948		406,795		
SHIPMENTS, INTERNAL.							
Animals and animal prod- ucts except wool and hair.....			1,252		431,860		
Poultry and live stock.....		869		347,600		(1)	(1)
Fish and oysters.....		383		84,260		(1)	(1)
Vegetable food products:							
Agricultural products.....		6,024	6,024	421,680	421,680	(1)	(1)
Wood and paper.....			542		7,100		
Lumber.....		167		4,000		(1)	(1)
Shingles.....		300		2,500		(1)	(1)
Locust posts.....	75			600		(1)	(1)
Nonmetallic minerals.....			1,250		11,000		
Coal.....	500			5,000		130	96
Brick.....	750			6,000		(1)	(1)
Unclassified: All other arti- cles, n. e. s.....		227	227	28,375	28,375	130	(1)
Total.....	1,325	7,970	9,295		900,015		
Total receipts and shipments.....	2,668	11,575	14,243		1,306,810		

¹ No statistics available.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	1,252	\$431,860
Vegetable food products.....	6,416	442,120
Wood and paper.....	709	17,120
Nonmetallic minerals.....	2,426	18,365
Chemicals.....	721	50,470
Unclassified.....	2,719	339,875
Total.....	14,243	1,308,810

Vessel classification, 1920.

Class.	Ameri- can.	Net reg- istered tonnage.	Arrivals.	Depart- ures.
Registered:				
Steamers.....	6	3,051	247	247
Sailing vessels.....	1	9	6	6
Motor boats.....	1	29	8	8
Total.....	8	3,089	261	261

WATERWAY FROM NORFOLK, VA., TO THE SOUNDS OF NORTH CAROLINA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers. ¹	Year.	Tons.	Value.	Passengers. ²
1899.....	47,942	\$285,384	.....	1910.....	614,905	(³)	.....
1900.....	107,094	721,140	.....	1911.....	574,008	(³)	.....
1901.....	214,263	1,485,409	.....	1912.....	413,764	\$5,579,914	.....
1902.....	297,670	2,502,161	.....	1913.....	336,626	4,493,357	.....
1903.....	(³)	2,634,590	.....	1914.....	374,260	4,587,236	.....
1904.....	(³)	2,880,167	.....	1915.....	413,679	10,310,650	.....
1905.....	(³)	3,785,999	.....	1916.....	383,446	10,987,651	.....
1906.....	388,488	3,644,646	.....	1917.....	271,788	18,302,176	.....
1907.....	366,339	4,559,440	.....	1918.....	190,605	8,874,117	.....
1908.....	319,573	5,613,700	.....	1919.....	140,611	7,352,753	369
1909.....	361,655	5,670,070	.....	1920.....	132,201	\$3,843,006	.....

¹ No statistics available except for 1919.² No statistics available.³ There were also floated in rafts, northbound, 3,430 tons of forest products of an estimated value of \$25,000.

[Navigation season, Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
NORTHBOUND, INTERNAL.							
Animals and animal products except wool and hair:						Miles.	Cents.
Oyster shells.....	710		710	\$1, 218	\$1, 218	(1)	(1)
Wood and paper.....			76, 282		694, 705		
Logs.....	36, 925			147, 700		(1)	(1)
Mine props.....	2, 669			10, 676		(1)	
Pulp wood.....	1, 491			7, 255		\$ 481	\$ 0. 8
Lumber.....	34, 793			521, 895		\$ 393	\$ 1. 56
Shingles.....		404		7, 179		(1)	(1)
Unclassified: All other articles n. e. s.....		781	781	117, 150	117, 150	(1)	(1)
Total.....	76, 588	1, 185	77, 773		813, 073		
SOUTHBOUND, INTERNAL.							
Wood and paper: Laths.....		50	50	1, 625	1, 625	(1)	(1)
Nonmetallic minerals.....			12, 832		75, 233		
Coal, anthracite.....	2, 070			20, 700		(1)	(1)
Gravel.....	2, 350			3, 995		\$ 398	\$ 1. 34
Lime.....		310		3, 100		(1)	(1)
Building brick.....	7, 812			41, 638		(1)	(1)
Salt.....		290		5, 800		(1)	(1)
Chemicals: Prepared fertilizer.....	34, 513		34, 513	1, 898, 215	1, 898, 215	\$ 300	\$ 1. 53
Unclassified: All other articles, n. e. s.....		7, 033	7, 033	1, 054, 950	1, 054, 950	(1)	(1)
Total.....	46, 745	7, 683	54, 428		3, 030, 023		
Total northbound and southbound.....	123, 333	8, 868	132, 201		3, 843, 096		

¹ No statistics available.² Based on part of tonnage, statistics for entire tonnage not available.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products except wool and hair.....	710	\$1, 218
Wood and paper.....	76, 332	694, 330
Nonmetallic minerals.....	12, 832	75, 233
Chemicals.....	34, 513	1, 898, 215
Unclassified.....	7, 814	1, 172, 100
Total.....	132, 201	3, 843, 096

Vessel classification, 1920.

Class.	American arrivals and departures.	Aggregate net registered tonnage.
Registered, tugs.....	997	30, 907
Registered and unregistered: ¹		
Sail.....	65	4, 825
Barges.....	732	108, 800
Unclassified small craft.....	513	10, 260
Rafts.....	66	
Total.....	2, 373	157, 792

¹ No statistics available as to vessels registered and unregistered.

INLAND WATERWAY FROM NORFOLK, VA., TO BEAUFORT INLET, N. C.

Comparative statement of traffic.

Year.	Tons.	Values.	Passengers. ¹	Year.	Tons.	Values.	Passengers. ¹
1890.....	403,111	(²)		1906.....	100,000	\$2,500,000	
1891.....	328,609	(²)		1907.....	188,543	(²)	
1892.....	281,542	(²)		1908.....	133,081	(²)	
1893.....	296,520	(²)		1909.....	195,237	(²)	
1894.....	285,455	\$4,792,568		1910.....	135,626	(²)	
1895.....	324,866	7,721,096		1911.....	100,439	(²)	
1896.....	322,947	7,600,049		1912.....	90,337	1,791,085	
1897.....	301,055	6,858,900		1913.....	(²)	(²)	
1898.....	188,573	2,614,959		1914.....	229,047	3,228,537	7,531
1899.....	300,000	2,500,000		1915.....	158,644	4,316,776	7,547
1900.....	195,958	1,463,952		1916.....	141,029	4,044,446	6,296
1901.....	210,264	2,047,396		1917.....	148,134	7,404,681	6,851
1902.....	199,062	1,654,845		1918.....	132,143	5,882,588	3,887
1903.....	203,812	1,477,080		1919.....	117,870	4,396,898	4,119
1904.....	144,041	(²)		1920.....	118,187	7,360,574	5,876
1905.....	88,580	(²)					

¹ No statistics available prior to 1914.

² No statistics available.

³ There were also floated in rafts, northbound, 48,000 tons of forest products of an estimated value of \$215,000.

[Navigation season: Jan. 1, 1920-Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
NORTHBOUND, INTERNAL.							
Animals and animal prod- ucts, except wool and hair.			839		\$276,980	Miles.	Cents.
Hogs.....		138		\$41,200		88	11.3
Sheep.....		252		100,000		88	21.1
Poultry, live.....		20		10,000		88	13.6
Hams and shoulders.....		44		22,880		88	3.4
Eggs.....		91		27,300		88	15.1
Fresh fish.....		180		72,000		88	17
Oysters in shell.....	112			2,800		(²)	(²)
Cattle hides.....		2		800		(²)	(²)
Vegetable food products			8,141		719,771		
Corn.....		448		22,848		(²)	(²)
Cornmeal.....		72		6,000		(²)	(²)
Beans, dried.....		172		10,120		(²)	(²)
Peas, dried.....		225		21,120		(²)	(²)
Potatoes.....		7,138		649,000		88	4.5
Other fresh vegetables.....		43		5,950		88	5.4
Peaches and pears.....		4		375		88	(²)
Peanuts.....		37		4,218		(²)	(²)
Cotton seed.....		2		140		(²)	(²)
Other vegetable products except fibers and wood			221		313,280		
Pitch and tar.....		14		1,500		(²)	(²)
Leaf tobacco.....		203		304,500		267	2.3
Manufactured tobacco.....		4		7,280		(²)	(²)
Textiles: Cotton, short staple.....		2,096	2,096	712,640	712,640	114	3.5
Wood and paper.....			52,687		749,926		
Logs.....	15,981			63,924		(²)	(²)
Lumber.....	31,658			474,870		1465	1.5
Shingles.....		36		640		(²)	(²)
Staves.....	5,012			210,492		88	(²)
Unclassified: All other articles, n. e. s.		275	275	7,029	7,029	(²)	(²)
Total.....	52,763	11,496	64,259		2,779,626		

¹ Based on part of tonnage; statistics for entire tonnage not available.

² No statistics available

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SOUTHBOUND, INTERNAL.							
Animals and animal products, except wool and hair.			589		\$312,358	Miles.	Cents.
Horses.....		20		\$6,000		88	(²)
Mules.....		22		9,000		88	17
Fresh meat.....		5		2,500		(²)	(²)
Salt meats.....		152		52,510		88	3.4
Canned meats.....		77		43,890		88	5.4
Canned milk.....		88		27,225		88	5.4
Butter.....		25		32,000		88	10.2
Cheese.....		53		32,330		88	17
Lard and lard substitutes.....		129		60,395		88	3.4
Oleomargarine.....		6		2,100		88	10.7
Boots and shoes.....		12		44,408		88	10.7
Vegetable food products.....			2,754		304,329		
Oats.....		240		12,097		88	3.4
Wheat flour.....		1,175		164,500		88	2.8
Other grains and flours.....		1		200		(²)	(²)
Hay.....		420		11,025		88	3.4
Straw.....		50		825		(²)	(²)
Sorghum.....		3		150		(²)	(²)
Canned vegetables.....		63		13,230		88	5.4
Vinegar.....		26		3,328		88	3.4
Dried and evaporated vegetables.....		6		1,200		88	5.4
Subtropical fruits, fresh.....		180		9,375		88	8.9
Apples.....		31		2,850		88	5.4
Canned fruits.....		3		876		(²)	(²)
Other nuts.....		1		400		(²)	(²)
Coffee.....		9		3,400		88	4.3
Sugar.....		508		162,560		88	3.4
Molasses.....		19		1,583		88	6.8
Confectionery.....		1		1,000		(²)	(²)
Sirup.....		15		2,250		88	6.8
Other beverages.....		23		3,480		(²)	(²)
Other vegetable products except fibers and wood.....			26		10,640		
Rubber goods.....		3		2,400		(²)	(²)
Drugs.....		7		4,900		88	11.3
Nursery stock.....		1		1,000		(²)	(²)
Starch.....		12		1,440		88	4.3
Brooms.....		3		900		(²)	(²)
Textiles.....			50		29,857		
Cotton fabrics.....		25		17,000		(²)	(²)
Cotton wearing apparel.....		2		4,000		(²)	(²)
Jute bagging for covering cotton.....		18		5,652		88	3.4
Rope, manila and sisal.....		3		1,605		(²)	(²)
Wool.....		2		1,600		(²)	(²)
Wood and paper.....			27		12,565		
Laths.....		2		65		(²)	(²)
Furniture.....		25		12,500		88	13.6
Nonmetallic minerals.....			7,130		150,406		
Coal, anthracite.....	792			7,920		486	4
Coal, bituminous.....	3,315			29,043		88	(²)
Refined petroleum products.....		1,068		93,330		(²)	(²)
Cement.....		501		7,515		439	1.4
Glass chimneys, globes, and other glass articles.....		1		130		(²)	(²)
Building brick.....	765			4,077		(²)	(²)
Lime, building.....		120		1,260		88	1.9
Lime, agricultural.....		423		4,230		88	(²)
Salt.....		145		2,900		88	(²)
Ores, metals, and manufactures, except machinery and vehicles.....			107		9,700		
Wrought-iron pipe.....	50			3,500		(²)	(²)
Cast-iron pipe.....	20			1,600		(²)	(²)
Galvanized wire.....		12		1,400		(²)	(²)
Nails, spikes, and screws.....		20		2,400		88	3.4
Other manufactures of iron and steel.....		5		800		(²)	(²)

¹ Based on part of tonnage; statistics for entire tonnage not available.² No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value..		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SOUTHBOUND, INTERNAL—continued.						<i>Miles.</i>	<i>Cents.</i>
Machinery and vehicles.....			205		\$150,800		
Gasoline engines.....		10		\$5,000		(¹)	(²)
Accessories and parts for Steam pumps.....		1		600		(¹)	(²)
Other pumps.....		10		4,200		(¹)	(²)
Agricultural machinery and implements.....		1		500		(¹)	(²)
Automobiles and parts.....		110		22,000		88	14.5
Bicycles and tricycles.....		63		26,250		88	7
Other vehicles.....		1		2,000		(¹)	(²)
Chemicals.....		9		2,700		(¹)	(²)
Prepared fertilizer.....	27,221		36,040	1,829,854			
Do.....		2,500		1,497,155		356	1.5
Fertilizer material.....	6,319			200,000		88	11.9
Unclassified: All other articles, n. e. s.....				132,699		398	1.4
		7,000	7,000	1,680,440	1,680,440	(¹)	(²)
Total.....	38,482	15,446	53,928	4,580,948			
Total northbound and southbound.....	91,245	26,942	118,187	7,360,574			

¹ Based on part of tonnage; statistics for entire tonnage not available.² No statistics available.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	1,428	\$589,338
Vegetable food products.....	10,895	1,114,100
Other vegetable products.....	247	323,920
Textiles.....	2,146	742,497
Wood and paper.....	52,714	762,491
Nonmetallic minerals.....	7,130	150,405
Ores, metals, and manufactures, except machinery and vehicles.....	107	9,700
Machinery and vehicles.....	205	150,800
Chemicals.....	36,040	1,829,854
Unclassified.....	7,275	1,687,469
Total.....	118,187	7,360,574

Vessel classification, 1920.¹

Class.	Number of trips.		Total net tonnage.	Number of passengers.
	North-bound.	South-bound.		
Registered and unregistered:²				
Packets.....	282	272	54,599	5,876
Tugs.....	370	353	15,245	
Government.....	187	177	23,158	
Sailing.....	542	565	16,504	
Barges—				
Canal.....	108	146	73,839	
Other.....	97	83	27,100	
Yachts.....	136	182	9,628	
Small craft.....	427	502	(²)	
Rafts.....	129			
Total.....	2,278	2,290		5,876

¹ Vessels passing through waterway at Great Bridge, Va.² No statistics available.

BLACKWATER RIVER, VA.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1906.....	5,200	\$832,000	(1)	1914.....	3,821	\$371,869	480
1907.....	5,300	846,400	(1)	1915.....	3,622	337,880	408
1908.....	5,390	882,400	(1)	1916.....	3,893	314,883	358
1909.....	5,410	866,080	563	1917.....	3,712	633,000	425
1910.....	6,102	(1)	500	1918 ¹			
1911.....	4,126	363,937	587	1919 ¹			
1912.....	4,202	373,982	580	1920 ¹			
1913.....	4,148	384,291	530				

¹ No statistics available.

Practically all of the water-borne commerce on the river is carried by the Albemarle Steam Navigation Co. This company has not furnished any statistics of their business on the river since 1917.

MEHERRIN RIVER, N. C.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1906.....	8,900	\$85,750	(1)	1914.....	16,640	\$1,447,130	7,000
1907.....	9,321	1,053,330	(1)	1915.....	23,836	1,354,428	11,039
1908.....	8,690	1,096,700	(1)	1916.....	30,937	1,360,005	7,733
1909.....	14,802	1,125,260	5,231	1917.....	51,380	2,134,515	6,269
1910.....	12,204	(1)	(1)	1918 ¹			
1911.....	14,111	(1)	11,612	1919 ¹			
1912.....	27,258	1,362,618	10,800	1920 ¹			
1913.....	20,056	1,560,025	11,849				

¹ No statistics available.

Practically all of the water-borne commerce of Meherrin River is carried by the Albemarle Steam Navigation Co. No statistics have been furnished by this company of its traffic on the river since 1917.

ROANOKE RIVER, N. C.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers. ¹	Logs rafted.	
				Tons.	Value.
1870.....	150,000	(2)			
1890.....	182,700	(2)			
1891.....	376,181	(2)			
1892.....	42,039	(2)			
1893.....	121,024	(2)			
1901.....	226,736	\$1,136,940			
1902.....	163,564	894,331			
1903.....	115,875	942,490			
1904.....	32,790	209,000			
1905 ²					
1906.....	88,508	1,032,400			
1907.....	61,108	3,744,600			
1908.....	78,775	1,402,080			
1909.....	68,113	1,383,905	2,000		
1910.....	53,989	(2)	1,600		
1911.....	54,839	(2)			
1912.....	78,294	5,255,704			
1913.....	74,322	2,984,560			
1914.....	72,421	2,144,249			
1915.....	88,295	2,226,858			
1916.....	86,807	2,322,986			
1917.....	78,736	2,039,168			
1918.....	32,007	1,992,490		19,028	\$123,849
1919.....	22,446	2,363,885		20,530	184,842
1920.....	61,593	1,035,130		54,114	180,380

¹ No statistics available, except for 1909 and 1910.² No statistics available.³ Incomplete.

[Navigation season, Jan. 1, 1920 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS AND SHIPMENTS.					
Vegetable food products.....			2,160		\$247,500
Peanuts.....		1,830		\$201,300	
Cotton seed.....		330		46,200	
Other vegetable products, except fibers and wood: Leaf tobacco.....		4	4	6,000	6,000
Textiles: Cotton.....		549	549	186,600	186,600
Wood and paper: Rafted logs.....	54,114		54,114	180,380	180,380
Chemicals.....			3,140		211,400
Fertilizer.....		2,940		205,800	
Fertilizer material.....		200		5,600	
Unclassified: All other articles, n. e. s.....		1,626	1,626	203,250	203,250
Total.....	54,114	7,479	61,593		1,035,130

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Wood and paper.....	54,114	\$180,380
Vegetable food products.....	2,160	247,500
Other vegetable products, except fibers and wood.....	4	6,000
Textiles.....	549	186,600
Chemicals.....	3,140	211,400
Unclassified.....	1,626	203,250
Total.....	61,593	1,035,130

Vessel classification, 1920.

Class.	Ameri- can.	Net regis- tered tonnage.	Arrivals.	Depar- tures.	Passen- gers.
Registered, steamer.....	1	46	104	104	None.

NEWBEGUN CREEK, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.
1919.....	5,475	\$453,700
1920 ¹	(¹)	(¹)

¹ No statistics available.

Statistics of the water-borne commerce on Newbegun Creek, N. C., are available only for the calendar year 1919. The traffic on this stream is carried by one motor boat. No statistics of the business have been furnished by the owner of the boat during the calendar year 1920.

WILMINGTON, N. C., DISTRICT.

SCUPPERNONG RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1902.....	34,306	(1)	(1)	1912.....	26,653	\$320,991.00	(1)
1903.....	46,213	(1)	(1)	1913.....	30,073	382,622.50	(1)
1904.....	51,473	\$2,539,259.00	(1)	1914.....	27,224	355,370.50	(1)
1905.....	55,137	1,857,477.00	(1)	1915.....	9,448	389,478.30	(1)
1906.....	44,909	1,585,175.00	(1)	1916.....	10,443	433,036.20	(1)
1907.....	68,630	1,660,814.00	(1)	1917.....	9,065	679,829.40	(1)
1908.....	12,515	215,200.00	(1)	1918.....	20,734	1,001,477.00	(1)
1909.....	20,556	556,401.00	(1)	1919.....	38,860	1,348,781.00	(1)
1910.....	29,194	308,767.00	(1)	1920.....	7,102	678,276.00	500
1911.....	37,658	349,092.00	(1)				

¹ No statistics available.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
UPSTREAM, INTERNAL.						
Animals and animal products, except wool and hair			97		\$20,800	Miles.
Fish, fresh	90			\$18,000		4
Fish, salt		7		2,800		4
Vegetable food products, oil seeds, expressed oils, and beverages			1,832		348,915	
Grain		9		595		4
Groceries		270		121,500		4
Hay		50		1,700		4
Potatoes, Irish		1,500		225,000		4
Soft drinks		3		120		4
Other vegetable products, except fibers and wood: Tar		3	3	69	69	4
Textiles: Dry goods		10	10	20,000	20,000	4
Wood and paper			102		11,190	
Empty truck barrels		70		2,100		4
Furniture		30		9,000		4
Shingles		2		90		4
Nonmetallic minerals			1,771		39,258	
Brick		8		80		4
Cement		15		270		4
Coal		68		748		4
Gasoline	300			21,000		4
Kerosene	100			4,000		4
Salt		30		660		4
Sand	1,250			12,500		4
Ores, metals, and manufactures, except machinery and vehicles: Hardware		20	20	8,000	8,000	4
Machinery and vehicles: Machinery		50	50	10,000	10,000	4
Chemicals: Fertilizer		1,500	1,500	75,000	75,000	4
Total	1,740	3,645	5,385		533,232	
DOWNSTREAM, INTERNAL.						
Animals and animal products, except wool and hair			9		4,900	
Eggs		3		1,800		4
Hogs		4		1,600		4
Poultry		2		1,500		4

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
DOWNSTREAM, INTERNAL—contd.						
Vegetable food products, oil seeds, expressed oils, and beverages.....			852		\$120,900	Miles.
Cotton seed.....		100		\$8,000		4
Peanuts.....		2		400		4
Potatoes, Irish.....		750		112,500		4
Other vegetable products, except fibers and wood: Tar.....		3	3	69	69	4
Textiles: Cotton.....		13	13	8,320	8,320	4
Wood and paper.....			800		8,855	
Empty oil barrels.....		80		4,000		4
Empty truck barrels.....		50		1,500		4
Lumber.....	60			1,500		4
Stakes.....		550		1,375		10
Wood.....		60		480		4
Chemicals: Fertilizer.....		40	40	2,000	2,000	4
Total.....	60	1,657	1,717		145,044	
Total upstream and down- stream.....	1,800	5,302	7,102		678,276	

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, ex- cept wool and hair.....	97	\$20,800	9	\$4,900	106	\$25,700
Vegetable food products.....	1,832	348,915	852	120,900	2,684	469,815
Other vegetable products.....	3	69	3	69	6	138
Textiles.....	10	20,000	13	8,320	23	28,320
Wood and paper.....	102	11,190	800	8,855	902	20,045
Nonmetallic minerals.....	1,771	39,258			1,771	39,258
Ores and metals.....	20	8,000			20	8,000
Machinery and vehicles.....	50	10,000			50	10,000
Chemicals.....	1,500	75,000	40	2,000	1,540	77,000
Total.....	5,385	533,232	1,717	145,044	7,102	678,276

Vessel classification, 1920.

Classes.	American.	Net reg- istered tonnage.
Registered:		
Gasoline.....	5	48
Sail.....	8	218
Steamers.....	4	165
Total.....	17	431

Number of passengers transported during the year about 500.

Eight to ten flats or lighters towed by small gas boats operated on the river during the year.

MANTEO (SHALLOWBAG BAY), N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910.....	10,513	\$563,365.00	1916.....	9,021	\$662,472.40
1911.....	13,194	680,209.00	1917.....	(¹)	(¹)
1912.....	16,884	1,059,846.00	1918.....	8,156	1,156,441.00
1913.....	8,867	576,404.50	1919.....	7,973	1,505,444.00
1914.....	11,888	593,531.50	1920.....	4,823	887,171.00
1915.....	12,110	557,551.80			

¹ No statistics available.

Number of passengers carried in 1920, 10,000. No statistics for prior years.

[Navigation season: entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (package).	Amount in short tons by classes.	Value.	
			By commodities.	By classes.
INBOUND.				
Animals and animal products, except wool and hair.....		768		\$152,000
Fish, fresh.....	700		\$140,000	
Fish, salt.....	28		11,200	
Oysters.....	40		800	
Vegetable food products, oil seeds, expressed oils, and beverages.....		1,198		378,455
Cottonseed hulls.....	53		795	
Cottonseed meal.....	28		2,100	
Grain.....	126		8,190	
Groceries.....	800		360,000	
Hay.....	150		5,100	
Peanuts.....	1		200	
Soft drinks.....	12		480	
Vegetables.....	25		1,500	
Watermelons.....	3		90	
Other vegetable products, except fibers and wood: Tar.....	12	12	276	276
Textiles: Dry goods.....	35	35	70,000	70,000
Wood and paper.....		607		35,700
Furniture.....	79		23,700	
Lumber.....	178		4,450	
Shingles.....	70		3,150	
Timber.....	180		3,600	
Wood.....	100		800	
Nonmetallic minerals.....		627		22,496
Brick.....	75		750	
Cement.....	48		864	
Coal.....	120		1,320	
Gasoline.....	180		12,600	
Kerosene.....	140		3,500	
Lime.....	8		160	
Salt.....	36		792	
Machine oil.....	20		2,500	
Ores, metals, and manufactures, except machinery and vehicles: Hardware.....	158	158	63,200	63,200
Machinery and vehicles: Machinery.....	68	68	13,600	13,600
Chemicals: Fertilizer.....	208	208	10,400	10,400
Total.....	3,681	3,681		746,117
OUTBOUND.				
Animals and animal products, except wool and hair.....		579		121,640
Clams.....	15		750	
Eggs.....	1		600	
Fish, fresh.....	510		102,000	
Fish, salt.....	21		8,400	
Hogs.....	8		3,200	
Horses.....	8		4,000	
Oysters.....	12		240	
Poultry.....	1		750	
Soft crabs.....	1		500	
Scallops.....	2		1,200	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities (package).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
OUTBOUND—continued.				
Vegetable food products, oil seeds, expressed oils, and beverages.....		102		\$10,270
Grain.....	25		\$1,625	
Potatoes, Irish.....	45		6,750	
Potatoes, sweet.....	11		715	
Soft drinks.....	4		160	
Vegetables.....	17		1,020	
Wood and paper.....		84		2,200
Empty oil barrels.....	4		200	
Lumber.....	80		2,000	
Nonmetallic minerals.....		92		4,664
Gasoline.....	40		2,800	
Kerosene.....	40		1,600	
Salt.....	12		264	
Unclassified: Ice.....	285	285	2,280	2,280
Total.....	1,142	1,142		141,054
Total inbound and outbound.....	4,823	4,823		887,171

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Inbound.		Outbound.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	768	\$152,000	579	\$121,640	1,347	\$273,640
Vegetable food products.....	1,198	378,455	102	10,270	1,300	288,725
Other vegetable products.....	12	276			12	276
Textiles.....	35	70,000			35	70,000
Wood and paper.....	607	35,700	84	2,200	691	37,900
Nonmetallic minerals.....	627	22,486	92	4,664	719	27,150
Ores and metals.....	158	63,200			158	63,200
Machinery and vehicles.....	68	13,600			68	13,600
Chemicals.....	208	10,400			208	10,400
Unclassified.....			285	2,280	285	2,280
Total.....	3,681	746,117	1,142	141,054	4,823	887,171

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	1	74
Gasoline.....	10	98
Sail.....	8	68
Total.....	19	240

Number of passengers transported during the year, about 10,000.

WATERWAY CONNECTING SWAN QUARTER BAY WITH DEEP BAY, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910.....	2,519	\$177,357.00	1916.....	12,577	\$596,607.00
1911.....	3,752	286,655.00	1917.....	11,948	801,038.00
1912.....	3,960	283,131.00	1918.....	11,914	847,561.00
1913.....	5,841	302,504.50	1919.....	6,723	715,786.00
1914.....	7,820	403,547.50	1920.....	8,733	887,967.00
1915.....	12,726	473,181.70			

Number of passengers carried in 1920, 3,500. No statistics for prior years.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
INBOUND.					
Animals and animal products, except wool and hair.....			359		\$5,745
Cattle.....		9		\$2,700	
Fish, salt.....		1		400	
Oysters.....	60			1,200	
Oyster shells.....	289			1,445	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			996		289,940
Cotton seed.....		20		1,600	
Cottonseed hulls.....		30		450	
Cottonseed meal.....		30		2,250	
Groceries.....		600		270,000	
Hay.....		180		5,440	
Potatoes, Irish.....		38		5,400	
Soft drinks.....		120		4,800	
Textiles: Dry goods.....		16	16	32,000	32,000
Wood and paper.....			635		21,445
Crossties.....	210			4,200	
Furniture.....		24		7,200	
Lumber.....		400		10,000	
Shingles.....		1		45	
Nonmetallic minerals.....			1,377		27,612
Brick.....		55		550	
Cement.....		70		1,260	
Coal.....	900			9,900	
Gasoline.....		160		11,200	
Kerosene.....		170		4,250	
Lime.....		16		320	
Salt.....		6		132	
Ores, metals, and manufactures, except machinery and vehicles: Hardware.....		54	54	21,600	21,600
Machinery and vehicles: Machinery.....		506	506	101,200	101,200
Chemicals.....			2,100		92,400
Ice.....		300		2,400	
Fertilizer.....		1,800		90,000	
Total.....	1,459	4,584	6,043		591,942
OUTBOUND.					
Animals and animal products, except wool and hair.....			279		104,700
Cattle.....		38		11,400	
Eggs.....		13		7,800	
Fish, fresh.....		60		12,000	
Hogs.....		150		60,000	
Poultry.....		18		13,500	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
OUTBOUND—continued.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			2,111		\$150,835
Cotton seed.....		20		\$1,600	
Grain.....		1,950		126,750	
Peanuts.....		42		8,400	
Potatoes, Irish.....		90		13,500	
Potatoes, sweet.....		9		585	
Other vegetable products: Rosin.....		4	4	160	160
Textiles.....			48		32,080
Cotton.....		47		30,080	
Dry goods.....		1		2,000	
Wood and paper.....			248		8,240
Empty oil barrels.....		54		2,700	
Empty crates.....		32		2,160	
Furniture.....		2		600	
Poles.....		125		2,500	
Wood.....		35		280	
Total.....		2,690	2,690		296,015
Total inbound and outbound.....	1,459	7,274	8,773		887,957

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Inbound.		Outbound.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	359	\$5,745	279	\$104,700	638	\$110,445
Vegetable food products.....	996	289,940	2,111	150,835	3,107	440,775
Other vegetable products.....			4	160	4	160
Textiles.....	16	32,000	48	32,080	64	64,080
Wood and paper.....	635	21,445	248	8,240	883	29,685
Nonmetallic minerals.....	1,377	27,612			1,377	27,612
Ores and metals.....	54	21,600			54	21,600
Machinery and vehicles.....	506	101,200			506	101,200
Chemicals.....	2,100	92,400			2,100	92,400
Total.....	6,043	591,942	2,690	296,015	8,733	887,957

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	1	7
Gasoline.....	10	105
Sail.....	12	126
Total.....	23	238

Number of passengers transported during the year, about 3,500.

PAMLICO AND TAR RIVERS, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891.....	195,600	(1)	1906.....	491,384	\$20,816,394.00
1892.....	107,097	(1)	1907.....	428,378	19,212,294.00
1893.....	119,505	(1)	1908.....	353,429	7,909,360.00
1894.....	119,979	(1)	1909.....	310,547	5,560,106.00
1895.....	183,226	(1)	1910.....	238,817	6,613,520.00
1896.....	251,887	(1)	1911.....	338,522	6,950,513.00
1897.....	363,513	(1)	1912.....	355,186	7,430,484.00
1898.....	348,375	(1)	1913.....	352,364	5,429,622.50
1899.....	507,481	(1)	1914.....	288,827	3,635,611.37
1900.....	613,885	(1)	1915.....	286,716	3,987,502.40
1901.....	835,311	(1)	1916.....	278,888	4,309,521.40
1902.....	832,015	(1)	1917.....	197,308	4,699,067.00
1903.....	845,377	(1)	1918.....	200,436	6,565,562.00
1904.....	514,401	\$17,041,203.50	1919.....	156,943	7,058,110.00
1905.....	567,331	13,694,531.00	1920.....	139,951	6,158,686.00

¹ No statistics available.

Number passengers carried in 1920, 8,000. No statistics for prior years.

[Navigation season: Entire year to Greenville; above Greenville during freshet stage only.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
UPSTREAM.						
Animals and animal products, ex- cept wool and hair.....			4,481		\$568,470	Miles.....
Cattle.....		35		\$10,500		27
Clams.....		22		1,100		38
Eggs.....		42		25,200		25
Fish, fresh.....		2,276		455,200		30
Fish, salt.....		30		12,000		32
Hogs.....		55		22,000		30
Oysters.....	1,880			37,600		35
Poultry.....		6		4,500		25
Shells, oyster.....	135			370		18
Vegetable food products, oil seeds, expressed oil, and beverages.....			6,633		709,470	
Cotton seed.....		2,900		224,000		20
Cottonseed hulls.....		122		1,830		40
Cottonseed meal.....		277		20,775		40
Grain.....		385		25,025		35
Groceries.....		85		38,250		38
Hay.....		15		510		41
Peanuts.....		2		400		25
Potatoes, Irish.....		2,490		373,500		30
Potatoes, sweet.....		210		13,650		35
Soft drinks.....		112		4,480		10
Vegetables.....		100		6,000		25
Watermelons.....		35		1,050		30
Other vegetable products, except fiber and wood: Tobacco.....		25	25	15,000	15,000	15
Textiles: Cotton.....		562	562	359,680	359,680	25
Wood and paper.....			39,525		636,180	
Oil barrels, empty.....		92		4,600		20
Furniture.....		20		6,000		25
Lumber.....	15,470			386,750		10
Timber, round, floated.....	23,643			236,430		12
Wood.....	300			2,400		25
Nonmetallic minerals.....			696		8,712	
Coal.....		600		6,600		38
Salt.....		96		2,112		38
Ores, metals, and manufactures, except machinery and vehicles: Crates, empty.....		17	17	510	510	15
Chemicals.....			30,928		1,401,400	
Fertilizer.....	12,000			600,000		23
Do.....		4,428		221,400		23
Fertilizer materials.....	14,500			580,000		38
Total.....	67,928	14,939	82,867		3,699,422	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
DOWNSTREAM.						
Animals and animal products, except wool and hair: Hogs.....		18	18	\$7,200	\$7,200	Miles. 15
Vegetable food products, oilseeds, expressed oil, and beverages.....			3,049		694,932	
Cotton seed.....		430		34,400		38
Cottonseed hulls.....		180		2,700		22
Grain.....		226		14,690		30
Groceries.....		1,333		599,850		25
Hay.....		513		17,442		18
Molasses.....		81		12,150		30
Potatoes, Irish.....		40		3,000		20
Soft drinks.....		132		5,280		18
Watermelons.....		14		420		25
Unclassified.....		100		5,000		22
Other vegetable products, except fibers and wood: Tar.....		13	13	299	299	38
Textiles.....			169		225,120	
Cotton.....		83		53,120		30
Dry goods.....		86		172,000		20
Wood and paper.....			38,675		789,675	
Cross-ties.....		30		600		38
Truck barrels, empty.....		258		7,700		22
Furniture.....		45		13,500		25
Lumber.....	21,460			611,500		36
Do.....		422		10,550		
Poles.....	965			19,000		38
Piles.....	13			520		15
Shingles.....		67		2,565		22
Timber, round, floated.....	12,000			120,000		9
Wood.....		425		3,400		35
Nonmetallic minerals.....			3,254		70,858	
Cement.....		44		792		18
Brick.....		115		1,150		20
Coal.....		590		6,490		25
Gasoline.....		211		14,770		20
Kerosene.....		75		3,000		20
Lime.....		2,081		41,620		20
Salt.....		138		3,036		18
Ores, metals, and manufactures except machinery and vehicles:						
Hardware.....		272	272	108,800	108,800	28
Machinery and vehicles: Machinery.....		512	512	102,400	102,400	15
Chemicals.....			9,262		445,100	
Fertilizer.....	3,400			170,000		30
Do.....		4,062		203,100		30
Fertilizer material.....		1,800		72,000		15
Unclassified: Ice.....		1,860	1,860	14,880	14,880	36
Total.....	40,838	16,246	57,084		2,459,264	
Total upstream and downstream.....	108,766	31,185	139,951		6,158,686	

*Freight traffic, 1920—Continued.***SUMMARY.**

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	4,481	\$568,470	18	\$7,200	4,499	\$575,670
Vegetable food products.....	6,633	709,470	3,049	694,932	9,682	1,404,402
Other vegetable products.....	25	15,000	13	299	38	15,299
Textiles.....	562	359,680	169	225,120	731	584,800
Wood and paper.....	39,525	636,180	38,675	789,675	78,200	1,425,855
Nonmetallic minerals.....	696	8,712	3,254	70,858	3,950	79,570
Ores and metals.....	17	510	272	106,800	289	106,310
Machinery and vehicles.....			512	102,400	512	102,400
Chemicals.....	30,928	1,401,400	9,262	445,100	40,190	1,846,500
Unclassified.....			1,860	14,880	1,860	14,880
Total.....	82,867	3,699,422	57,084	2,450,264	139,951	6,158,686

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	10	376
Gasoline.....	52	520
Sail.....	38	1,330
Barges.....	13	4,810
Total.....	113	7,036

Number of passengers transported during the year, about 8,000.

During the year about 8 flats were employed on this waterway carrying lumber, etc.

SOUTH RIVER, N. C.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1910.....	26,071	\$167,230	1916.....	33,102	\$298,286
1911.....	44,350	370,382	1917.....	31,141	452,907
1912.....	77,791	426,423	1918.....	21,485	582,722
1913.....	61,965	540,505	1919.....	20,825	716,289
1914.....	45,070	277,125	1920.....	13,084	473,667
1915.....	34,643	219,832			

Number of passengers in 1920, 1,500. No statistics for prior years.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
UPSTREAM.						
Animals and animal products, ex- cept wool and hair.....			237		\$5,120	Miles.
Fish, salt.....		1		\$400		8
Oysters.....	236			4,720		8
Vegetable food products, oil seeds, expressed oils, and beverages.....			1,144		97,560	
Cotton seed.....		244		19,520		8
Cottonseed hulls.....		110		1,650		8
Cottonseed meal.....		18		1,350		8
Grain.....		100		6,500		2
Groceries.....		160		7,200		2
Hay.....		40		1,360		8
Potatoes, Irish.....		360		54,000		8
Potatoes, sweet.....		60		3,900		8
Soft drinks.....		52		2,080		8
Wood and paper.....			4,284		45,880	
Truck barrels.....		46		1,380		2
Furniture.....		6		1,800		8
Lumber.....		32		700		8
Timber, rafted.....	4,200			42,000		2
Nonmetallic minerals.....			184		5,172	
Brick.....		25		250		8
Cement.....		8		144		8
Coal.....		20		220		8
Gasoline.....		22		1,540		8
Kerosene.....		40		1,600		8
Lime.....		50		1,000		8
Salt.....		19		418		8
Ores, metals and manufactures, except machinery and vehicles:						
Hardware.....		6	6	2,400	2,400	2
Chemicals: Fertilizer.....		820	820	41,000	41,000	5
Total.....	4,436	2,239	6,675		197,132	
DOWNSTREAM.						
Animals and animal products, ex- cept wool and hair.....			53		26,950	
Cattle.....		10		3,000		8
Eggs.....		5		3,000		8
Fish, fresh.....		1		200		8
Hogs.....		20		8,000		2
Poultry.....		17		12,750		8
Vegetable food products, oil seeds, expressed oils, and beverages.....			1,109		109,445	
Cotton seed.....		472		37,760		8
Grain.....		75		4,875		8
Groceries.....		1		450		8
Potatoes, Irish.....		372		55,800		2
Potatoes, sweet.....		54		3,510		8
Vegetables.....		100		6,000		2
Watermelons.....		35		1,050		8
Textiles: Cotton.....		61	61	39,040	39,040	8
Wood and paper.....			5,186		101,100	
Empty oil barrels.....		18		900		8
Empty crates and barrels.....		60		1,800		8
Lumber.....	3,208			80,200		2
Timber, rafted.....	1,500			15,000		5
Wood.....		400		3,200		2
Total.....	4,708	1,701	6,409		276,535	
Total upstream and down- stream.....	9,144	3,940	13,084		473,667	

Freight traffic, 1920—Continued.

SUMMARY.

Class of commodities.	Domestic.				Total.	
	Upstream.		Downstream.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	237	\$5,120	53	\$26,950	290	\$32,070
Vegetable food products.....	1,144	97,560	1,109	109,445	2,253	207,005
Textiles.....			61	39,040	61	39,040
Wood and paper.....	4,284	45,880	5,188	101,100	9,470	146,980
Nonmetallic minerals.....	184	5,172			184	5,172
Ores and metals.....	6	2,400			6	2,400
Chemicals.....	820	41,000			820	41,000
Total.....	6,675	197,132	6,409	276,535	13,084	473,667

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	2	70
Gasoline.....	10	80
Sail.....	10	250
Barges.....	1	300
Total.....	23	700

Number of passengers transported during the year, about 1,500.

BAY RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910.....	25,764	\$439,933	1916.....	19,896	\$430,442
1911.....	18,747	430,105	1917.....	13,748	423,451
1912.....	17,733	405,106	1918.....	16,308	746,896
1913.....	16,047	376,983	1919.....	9,151	516,418
1914.....	8,089	139,122	1920.....	7,952	406,929
1915.....	18,746	399,143			

Number of passengers transported in 1920, 800. No statistics for prior years.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average hauls.
	Bulk.	Package.		By com- modities.	By classes.	
UPSTREAM.						
Animals and animal products, ex- cept wool and hair.....			480		\$24,000	Miles.....
Fish, fresh.....		80		\$16,000		10
Oysters.....	400			8,000		10
Vegetable food products, oil seeds, expressed oils, and beverages.....			980		153,725	
Cottonseed hulls.....		80		1,200		10
Cottonseed meal.....		75		5,625		10
Grain.....		20		1,300		10
Groceries.....		240		108,000		12
Hay.....		75		2,550		12
Potatoes, Irish.....		120		18,000		10
Potatoes, sweet.....		90		5,850		10
Soft drinks.....		280		11,200		17
Textiles: Dry goods.....		10	10	20,000	20,000	10
Wood and paper.....			1,550		16,250	
Lumber.....		50		1,250		10
Timber, round, floated.....	1,500			15,000		7
Nonmetallic minerals.....			292		17,464	
Gasoline.....		200		14,000		10
Kerosene.....		80		3,200		10
Salt.....		12		264		12
Chemicals: Fertilizer.....		420	420	21,000	21,000	10
Total.....	1,900	1,832	3,732		252,439	
DOWNSTREAM.						
Animal and animal products, ex- cept wool and hair: Eggs.....		12	12	7,200	7,200	
Vegetable food products, oil seeds, expressed oils, and beverages.....			534		63,160	
Cotton seed.....		204		16,320		10
Cottonseed meal.....		20		1,500		10
Hay.....		10		340		10
Potatoes, Irish.....		300		45,000		10
Textiles: Cotton.....		125	125	80,000	80,000	12
Wood and paper.....			2,836		35,800	
Empty oil barrels.....		36		1,800		10
Lumber.....	400			10,000		10
Timber, round.....	2,400			24,000		7
Nonmetallic minerals.....			213		3,330	
Brick.....		13		130		10
Kerosene.....		20		800		10
Lime.....		120		2,400		10
Chemicals: Fertilizer.....		500	500	25,000	25,000	10
Total.....	2,800	1,360	4,220		214,490	
Total upstream and down- stream.....	4,700	3,192	7,952		466,929	

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	480	\$24,000	12	\$7,200	492	\$31,200
Vegetable food products.....	980	153,725	534	63,160	1,514	216,885
Textiles.....	10	20,000	125	80,000	135	100,000
Wood and paper.....	1,550	16,250	2,836	35,800	4,386	52,050
Nonmetallic minerals.....	292	17,464	213	3,330	505	20,794
Chemicals.....	420	21,000	500	25,000	920	46,000
Total.....	3,732	252,439	4,220	214,490	7,952	466,929

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	1	52
Gasoline.....	10	95
Sail.....	12	180
Barges.....	1	350
Total.....	24	677

Number of passengers transported during the year, about 800.

NEUSE RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	328,462	(1)	1906.....	501,315	\$17,957,655
1891.....	267,650	(1)	1907.....	448,719	15,302,992
1892.....	253,704	(1)	1908.....	384,418	7,083,720
1893.....	50,573	(1)	1909.....	402,428	7,472,530
1894.....	45,258	(1)	1910.....	353,171	7,711,482
1895.....	278,025	(1)	1911.....	408,006	8,952,226
1896.....	297,092	(1)	1912.....	383,137	9,592,138
1897.....	380,749	(1)	1913.....	443,957	7,023,967
1898.....	342,815	(1)	1914.....	333,833	4,805,197
1899.....	334,141	(1)	1915.....	429,590	6,240,511
1900.....	234,112	(1)	1916.....	415,013	6,761,957
1901.....	320,950	(1)	1917.....	296,543	7,079,078
1902.....	456,994	(1)	1918.....	215,863	6,806,585
1903.....	486,561	(1)	1919.....	183,329	7,86,263
1904.....	501,751	\$17,994,449	1920.....	202,219	8,023,222
1905.....	469,399	13,717,317			

¹ No statistics available.

Passengers transported in 1920, 8,000. No statistics for prior years.

[Season of navigation: Navigable from its mouth to Maple Cypress Landing, 25 miles above New Bern, the entire year, and from Maple Cypress Landing to Goldsboro, 98 miles above New Bern, during freshet stages only. There is practically no boating above Brookhersts Bridge, 83 miles above New Bern.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPSTREAM.						
Animals and animal products, except wool and hair.....			6,495		\$674,630	Miles.
Cattle.....		46		\$13,800		24
Clams.....		9		450		20
Eggs.....		21		12,600		25
Fish scrap.....		314		21,980		24
Fertilizer, fish.....		2,185		21,850		25
Fish, fresh.....		396		77,200		75
Fish, salt.....		872		348,800		21
Oil, fish.....		600		12,000		28
Hors.....		37		14,800		25
Horses.....		4		2,000		34
Oysters.....		2,020		40,400		30
Poultry.....		1		750		34

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
UPSTREAM—continued.						
Vegetable food products, oil, seeds, expressed oils, and beverages.....			4,858		\$897,605	Miles.
Cotton seed.....		1,314		\$105,120		25
Cottonseed hulls.....		161		2,415		24
Cottonseed meal.....		145		10,875		24
Grain.....		424		27,560		32
Groceries.....		1,362		612,900		30
Peanuts.....		30		6,000		24
Potatoes, Irish.....		459		68,850		30
Potatoes, sweet.....		789		51,285		24
Vegetables.....		14		8,400		24
Watermelons.....		160		4,200		24
Textiles.....			361		271,840	
Cotton.....		331		211,840		24
Dry goods.....		30		60,000		34
Wood and paper.....			38,099		434,696	
Empty oil barrels.....		23		1,150		24
Furniture.....		25		7,500		25
Lumber.....	3,076			76,900		22
Soft-drink crates.....		14		560		12
Timber, round, rafted.....	34,449			344,490		15
Wood.....		512		4,096		24
Nonmetallic minerals.....			11,661		72,395	
Brick.....		75		750		24
Cement.....		474		8,532		34
Coal.....	1,781			19,591		34
Gasoline.....		5		350		24
Salt.....	1,526			33,572		34
Gravel.....	1,900			3,600		34
Sand.....	6,000			6,000		10
Ores, metals, and manufactures of, except machinery and ve- hicles: Hardware.....		122	122	48,800	48,800	32
Machinery and vehicles: machin- ery.....		600	600	120,000	120,000	10
Chemicals.....			39,516		1,783,400	
Fertilizer.....		20,276		1,013,800		45
Fertilizer material.....	9,620	9,620		769,600		28
Total.....	56,728	44,986	101,712		4,303,366	
DOWNSTREAM.						
Animals and animal products, ex- cept wool and hair.....			780		22,600	
Oysters.....		80		1,600		10
Oyster shells.....		700		21,000		10
Vegetable food products, oil, seeds expressed oils, and beverages.....			5,878		1,006,448	
Cotton seed.....		499		39,120		50
Cottonseed hulls.....		206		3,090		25
Cottonseed meal.....		218		16,360		25
Grain.....		247		16,055		24
Groceries.....		1,500		675,000		26
Hay.....		417		14,178		25
Potatoes, Irish.....		804		120,600		12
Potatoes, sweet.....		547		35,555		12
Vegetables.....	1,400			84,000		24
Unclassified.....		50		2,500		24
Other vegetable products, except fibers and wood.....			178		105,646	
Tar.....		2		46		28
Tobacco.....		176		105,600		18
Textiles.....			522		396,640	
Cotton.....		476		304,640		34
Dry goods.....		46		92,000		25
Wood and paper.....			80,337		1,624,970	
Furniture.....		37		11,100		28
Lumber.....	54,000			1,350,000		30
Shingles.....		32		1,440		24
Timber, round, rafted.....	26,143			261,430		9
Wood.....		125		1,000		24

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul
	Bulk.	Package.		By com- modities.	By classes.	
DOWNSTREAM—continued.						
Nonmetallic minerals.....			951		\$23,326	Miles.
Brick.....		113		\$1,130		24
Cement.....		153		2,754		24
Coal.....		108		1,188		32
Gasoline.....		105		7,350		26
Kerosene.....		43		1,720		25
Lime.....		125		2,540		24
Salt.....		302		6,644		24
Ores, metals, and manufactures, except machinery and vehicles:						
Hardware.....		88	88	35,200	35,200	25
Machinery and vehicles: Machin- ery.....		16	16	3,200	3,200	24
Chemicals.....			11,730		501,610	
Fertilizer.....		9,511		475,560		28
Fertilizer material.....		319		12,760		24
Marl.....		1,900		13,300		32
Unclassified: Ice.....		27	27	216	216	
Total.....	81,543	18,964	100,507		3,719,856	
Total upstream and down- stream.....	138,269	63,980	202,219		8,023,222	

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	6,495	\$374,630	780	\$22,600	7,275	\$697,230
Vegetable food products.....	4,858	897,605	5,878	1,006,448	10,736	1,904,063
Other vegetable products.....			178	105,646	178	105,646
Textiles.....	361	271,840	522	396,640	883	668,480
Wood and paper.....	38,099	434,696	80,337	1,624,970	118,436	2,059,666
Nonmetallic minerals.....	11,661	72,396	951	23,326	12,612	95,721
Ores and metals.....	122	48,800	88	35,200	210	84,000
Machinery and vehicles.....	600	120,000	16	3,200	616	123,200
Chemicals.....	39,516	1,783,400	11,730	501,610	51,246	2,285,010
Unclassified.....			27	216	27	216
Total.....	101,712	4,303,366	100,507	3,719,856	202,219	8,023,222

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	17	1,292
Gasoline.....	135	1,080
Sail.....	42	1,470
Barges.....	41	18,040
Total.....	235	21,882

Number of passengers transported during the year, about 8,000.

During the year about 250 yachts passed over the lower 10 miles of the river, and about 15 flats were operated on the river carrying lumber.

SMITHS CREEK, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers
1910.....	40,591	\$381,050	(1)	1916.....	9,416	\$153,678	1,200
1911.....	17,168	235,994	(1)	1917.....	11,904	322,943	1,800
1912.....	14,226	255,514	(1)	1918.....	11,396	420,696	1,600
1913.....	2,935	116,788	(1)	1919.....	45,202	1,067,551	(1)
1914.....	3,545	185,417	590	1920.....	7,247	544,162	1,500
1915.....	8,896	145,928	950				

¹ No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
INBOUND.					
Animals and animal products, except wool and hair: Fish, fresh		782	782	\$156,400	\$156,400
Vegetable food products, oilseeds, ex- pressed oils, and beverages			1,746		220,923
Cotton seed		200		16,000	
Cottonseed hulls		33		495	
Cottonseed meal		33		2,475	
Groceries		118		53,100	
Hay		17		578	
Potatoes, Irish		750		112,500	
Potatoes, sweet		495		32,175	
Soft drinks		60		2,400	
Watermelons		40		1,200	
Textiles: Cotton		100	100	64,000	64,000
Wood and paper			2,450		32,950
Empty boxes, barrels		80		2,400	
Lumber	470			11,750	
Timber, round, rafted	1,800			18,000	
Wood	100			800	
Nonmetallic minerals			540		13,500
Gasoline		120		8,400	
Kerosene		120		4,800	
Sand	300			300	
Chemicals			94		2,684
Fertilizer		46		2,300	
Ice		48		384	
Total	2,670	3,042	5,712		490,457
OUTBOUND.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages			219		14,965
Groceries		18		8,100	
Hay		200		6,800	
Potatoes, sweet		1		65	
Wood and paper			916		21,740
Empty oil barrels		41		2,050	
Lumber	680			17,100	
Empty soft-drink crates		45		1,350	
Wood		150		1,240	
Nonmetallic minerals: Tile		100	100	2,000	2,000
Chemicals: Fertilizer		300	300	15,000	15,000
Total	680	855	1,535		53,705
Total, inbound and outbound	3,350	3,897	7,247		544,162

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Inbound.		Outbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animals products, except wool and hair.....	782	\$156,400	.....	.....	782	\$156,400
Vegetable food products, oil seeds, expressed oils, and beverages.....	1,746	220,923	219	\$14,965	1,965	235,888
Textiles.....	100	64,000	.....	.....	100	64,000
Wood.....	2,450	32,950	916	21,740	3,366	54,690
Nonmetallic minerals.....	540	13,500	100	2,000	640	15,500
Chemicals.....	94	2,684	300	15,000	394	17,684
Total.....	5,712	490,457	1,535	53,705	7,247	544,162

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamer.....	1	31
Gasoline.....	21	203
Sail.....	8	76
Total.....	30	310

Number of passengers transported during the year, about 1,500.

Several flats towed by small gasoline boats handled lumber over this waterway.

SWIFT CREEK, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910.....	22,802	\$267,749	(1)	1916.....	21,781	\$324,309	400
1911.....	22,458	320,635	(1)	1917.....	21,948	336,685	525
1912.....	26,939	303,209	(1)	1918.....	19,863	419,751	(1)
1913.....	27,781	197,030	(1)	1919.....	16,043	376,199	(1)
1914.....	15,652	153,585	350	1920.....	12,181	317,725	.....
1915.....	15,572	111,826	350				

¹ No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
UPSTREAM.					
Vegetable food products, oilseeds, ex- pressed oils, and beverages.....			207		\$22,409
Cottonseed hulls.....		14		\$210	
Cottonseed meal.....		32		2,400	
Grain.....		23		1,495	
Groceries.....		30		13,500	
Hay.....		66		2,244	
Potatoes, Irish.....		8		1,200	
Soft drinks.....		34		1,360	
Other vegetable products, except fibers and wood: Turpentine.....		1	1	400	400
Textiles: Dry goods.....		10	10	20,000	20,000
Wood and paper.....			28		2,790
Furniture.....		6		1,800	
Shingles.....		22		990	
Nonmetallic minerals.....			248		5,286
Brick.....		125		1,250	
Cement.....		40		720	
Coal.....		10		110	
Gasoline.....		29		2,030	
Kerosene.....		13		520	
Lime.....		13		260	
Salt.....		18		396	
Ores, metals, and manufacturers, except machinery and vehicles: Hardware.....		213	213	85,200	85,200
Machinery and vehicles: Machinery.....		34	34	6,800	6,800
Chemicals.....			478		23,060
Fertilizer.....		458		22,900	
Ice.....		20		160	
Total.....		1,219	1,219		165,945
DOWNSTREAM.					
Animals and animal products, except wool and hair: Eggs.....		18	18	10,800	10,800
Vegetable food products, oil seeds, expressed oils, and beverages: Cotton seed.....		60	60	4,800	4,800
Textiles: Cotton.....		38	38	24,320	24,320
Wood and paper.....			10,830		108,060
Empty oil barrels.....		9		450	
Timber, round, rafted.....	10,821			108,210	
Machinery and vehicles: Machinery.....		16	16	3,200	3,200
Total.....	10,821	141	10,962		151,780
Total upstream and downstream.....	10,821	1,360	12,181		317,725

SUMMARY.

Classes of commodities.	Upstream.		Downstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....			18	\$10,800	18	\$10,800
Vegetable food products.....	207	\$22,409	60	4,800	267	27,209
Other vegetable products.....	1	400			1	400
Textiles.....	10	20,000	38	24,320	48	44,320
Wood and paper.....	28	2,790	10,830	108,060	10,858	111,450
Nonmetallic minerals.....	248	5,286			248	5,286
Ores and metals.....	213	85,200			213	85,200
Machinery and vehicles.....	34	6,800	16	3,200	50	10,000
Chemicals.....	478	23,060			478	23,060
Total.....	1,219	165,945	10,962	151,780	12,181	317,725

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Inbound.		Outbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animals products, except wool and hair.....	782	\$156,400	.....	.....	782	\$156,400
Vegetable food products, oil seeds, expressed oils, and beverages.....	1,746	220,923	219	\$14,965	1,965	235,888
Textiles.....	100	64,000	.....	.....	100	64,000
Wood.....	2,450	32,950	916	21,740	3,366	54,690
Nonmetallic minerals.....	540	13,500	100	2,000	640	15,500
Chemicals.....	94	2,684	300	15,000	394	17,684
Total.....	5,712	490,457	1,535	53,705	7,247	544,162

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamer.....	1	31
Gasoline.....	21	203
Sail.....	8	76
Total.....	30	310

Number of passengers transported during the year, about 1,500.

Several flats towed by small gasoline boats handled lumber over this waterway.

SWIFT CREEK, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910.....	22,802	\$267,749	(1)	1916.....	21,781	\$324,309	400
1911.....	22,458	320,635	(1)	1917.....	21,948	336,685	525
1912.....	26,939	303,269	(1)	1918.....	19,863	419,751	(1)
1913.....	27,781	197,030	(1)	1919.....	16,043	376,199	(1)
1914.....	15,652	153,585	350	1920.....	12,181	317,725	.....
1915.....	15,572	111,826	350				

¹ No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
UPSTREAM.					
Vegetable food products, oilseeds, ex- pressed oils, and beverages.....			207		\$22,409
Cottonseed hulls.....		14		\$210	
Cottonseed meal.....		32		2,400	
Grain.....		23		1,495	
Groceries.....		30		13,500	
Hay.....		66		2,244	
Potatoes, Irish.....		8		1,200	
Soft drinks.....		34		1,360	
Other vegetable products, except fibers and wood: Turpentine.....		1	1	400	400
Textiles: Dry goods.....		10	10	20,000	20,000
Wood and paper.....			28		2,790
Furniture.....		6		1,800	
Shingles.....		22		990	
Nonmetallic minerals.....			248		5,286
Brick.....		125		1,250	
Cement.....		40		720	
Coal.....		10		110	
Gasoline.....		29		2,030	
Kerosene.....		13		520	
Lime.....		13		260	
Salt.....		18		396	
Ores, metals, and manufacturers, except machinery and vehicles: Hardware.....		213	213	85,200	85,200
Machinery and vehicles: Machinery.....		34	34	6,800	6,800
Chemicals.....			478		23,060
Fertilizer.....		458		22,900	
Ice.....		20		160	
Total.....		1,219	1,219		165,945
DOWNSTREAM.					
Animals and animal products, except wool and hair: Eggs.....		18	18	10,800	10,800
Vegetable food products, oil seeds, ex- pressed oils, and beverages: Cotton seed.....		60	60	4,800	4,800
Textiles: Cotton.....		38	38	24,320	24,320
Wood and paper.....			10,830		108,660
Empty oil barrels.....		9		450	
Timber, round, rafted.....	10,821			108,210	
Machinery and vehicles: Machinery.....		16	16	3,200	3,200
Total.....	10,821	141	10,962		151,780
Total upstream and downstream.....	10,821	1,360	12,181		317,725

SUMMARY.

Classes of commodities.	Upstream.		Downstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....			18	\$10,800	18	\$10,800
Vegetable food products.....	207	\$22,409	60	4,800	267	27,209
Other vegetable products.....	1	400			1	400
Textiles.....	10	20,000	38	24,320	48	44,320
Wood and paper.....	28	2,790	10,830	108,660	10,858	111,450
Nonmetallic minerals.....	248	5,286			248	5,286
Ores and metals.....	213	85,200			213	85,200
Machinery and vehicles.....	34	6,800	16	3,200	50	10,000
Chemicals.....	478	23,060			478	23,060
Total.....	1,219	165,945	10,962	151,780	12,181	317,725

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	2	48
Gasoline.....	3	35
Total.....	5	83

CONTENTNEA CREEK, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	125, 225	()	1906.....	22, 106	\$565, 052
1891.....	55, 325	()	1907.....	23, 870	444, 360
1892.....	17, 491	()	1908.....	18, 800	516, 712
1893.....	21, 173	()	1909.....	24, 679	486, 980
1894.....	19, 953	()	1910.....	23, 969	504, 395
1895.....	53, 018	()	1911.....	16, 135	191, 150
1896.....	16, 805	()	1912.....	17, 914	201, 430
1897.....	2, 800	()	1913.....	8, 684	196, 320
1898.....	3, 700	()	1914.....	7, 669	108, 523
1899.....	6, 594	()	1915.....	9, 607	146, 975
1900.....	13, 885	()	1916.....	7, 447	148, 150
1902.....	10, 392	()	1917.....	6, 072	119, 796
1903.....	13, 842	()	1918.....	5, 285	214, 377
1904.....	15, 010	\$832, 150	1919.....	3, 312	130, 105
1905.....	21, 830	600, 470	1920.....	235	11, 750

¹ No statistics available.

[Season of navigation: During freshet stages only, about three months during the year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities (package).	By classes.	By commodities.	By classes.
UPSTREAM.				
Chemicals: Fertilizer.....	235	235	\$11, 760	\$11, 750

Vessel classification, 1920.

Classes.	American	Net registered tonnage.
Registered: Steamers.....	1	49

TRENT RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	89,985	(¹)	(¹)	1906.....	343,507	\$15,456,539.00	(¹)
1891.....	45,080	(¹)	(¹)	1907.....	268,376	12,065,478.00	(¹)
1892.....	59,576	(¹)	(¹)	1908.....	237,240	4,847,611.00	(¹)
1893.....	34,649	(¹)	(¹)	1909.....	156,530	3,417,045.00	(¹)
1894.....	28,055	(¹)	(¹)	1910.....	152,312	4,214,247.00	(¹)
1895.....	142,442	(¹)	(¹)	1911.....	164,408	5,007,498.00	(¹)
1896.....	142,100	(¹)	(¹)	1912.....	142,493	5,181,679.00	(¹)
1897.....	142,789	(¹)	(¹)	1913.....	179,772	4,345,238.60	(¹)
1898.....	161,687	(¹)	(¹)	1914.....	137,409	2,731,417.00	1,439
1899.....	137,017	(¹)	(¹)	1915.....	183,611	3,578,289.70	1,608
1900.....	130,162	(¹)	(¹)	1916.....	161,446	4,637,188.50	2,000
1901.....	166,987	(¹)	(¹)	1917.....	120,440	5,414,980.00	125
1902.....	201,704	(¹)	(¹)	1918.....	145,490	6,776,853.00	100
1903.....	251,055	(¹)	(¹)	1919.....	29,853	1,519,088.00	(¹)
1904.....	284,935	\$14,793,947.00	(¹)	1920.....	48,396	1,544,614.00	300
1905.....	262,135	9,227,343.00	(¹)				

¹ No statistics available.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
UPSTREAM.						
Animals and animal products, ex- cept wool and hair			9		\$560	Miles.
Fish, salt		1		\$400		38
Oysters		8		160		38
Vegetable food products, oil seeds, expressed oils, and beverages			3,500		265,130	
Cotton seed		27		2,160		18
Cottonseed hulls		77		1,155		38
Cottonseed meal		38		2,850		18
Grain	2,875			186,875		22
Groceries	127			57,150		31
Hay	260			8,840		35
Peanuts	10			2,000		34
Potatoes, Irish	6			900		38
Soft drinks	80			3,200		26
Textiles: Dry goods	80		80	160,000	160,000	26
Wood and paper			493		20,940	
Furniture	29			8,700		30
Lumber	432			10,800		30
Shingles	32			1,440		36
Nonmetallic minerals			792		16,924	
Brick	385			3,850		36
Cement	100			1,800		28
Coal	74			814		32
Gasoline	100			7,000		36
Kerosene	33			1,320		30
Lime	30			600		32
Salt	70			1,540		28
Ores, metals, and manufactures, except machinery and vehicles:						
Hardware	78		78	31,200	31,200	32
Machinery and vehicles: Machin- ery	40		40	8,000	8,000	34
Chemicals			1,380		61,740	
Ice	150			1,200		24
Fertilizer	1,134			56,700		24
Fertilizer materials	96			3,840		24
Total		6,372	6,372		564,494	

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
DOWNSTREAM.						
Animals and animal products, except wool and hair: Eggs.....		13	13	\$7,800	\$7,800	<i>Miles.</i> 22
Vegetable food products, oil seeds, expressed oils, and beverages.....			1,433		185,550	
Cotton seed.....		420		33,600		35
Potatoes, Irish.....		1,013		151,960		20
Textiles: Cotton.....		600	600	384,000	384,000	30
Wood and paper.....			38,060		385,870	
Empty oil barrels.....		33		1,650		33
Lumber.....	204			5,100		20
Empty soft drink crates.....		60		1,800		26
Timber, round, rafted.....	37,608			376,080		8
Wood.....		155		1,240		38
Machinery and vehicles: Machinery.....		18	18	3,600	3,600	22
Chemicals: Marl.....	1,900		1,900	13,300	13,300	12
Total.....	39,712	2,312	42,024		980,120	
Total upstream and downstream.....	39,712	8,684	48,396		1,544,614	

SUMMARY.

Classes of commodities.	Upstream.		Downstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	9	\$560	13	\$7,800	22	\$8,360
Vegetable food products.....	3,500	265,130	1,433	185,550	4,933	450,680
Textiles.....	80	160,000	600	384,000	680	544,000
Wood and paper.....	493	20,940	38,060	385,870	38,553	406,810
Nonmetallic minerals.....	792	16,924			792	16,924
Ores and metals.....	78	31,200			78	31,200
Machinery and vehicles.....	40	8,000	18	3,600	58	11,600
Chemicals.....	1,380	61,740	1,900	13,300	3,280	75,040
Total.....	6,372	564,494	42,024	980,120	48,396	1,544,614

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	4	112
Gasoline.....	6	60
Sail.....	4	110
Barges.....	2	200
Total.....	16	482

Number of passengers transported during the year, about 300.

Eight or ten flats towed by small gasoline boats operated on the river during the year.

CHANNEL CONNECTING THOROUGHFARE BAY AND CEDAR BAY, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.
1920.....	3,636	94,707

[Season of navigation, only with high-wind tides, and with a draft of from 2 to 4 feet.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
EASTBOUND.					
Animals and animal products, except wool and hair.....			2, 112		\$46, 040
Fish, salt.....		10		\$4, 000	
Oysters.....	2, 102			42, 040	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			23		1, 837
Cottonseed meal.....		5		375	
Grain.....		14		910	
Groceries.....		1		450	
Hay.....		3		102	
Chemicals: Fertilizer.....		44	44	2, 200	2, 200
Total.....	2, 102	77	2, 179		50, 077
WESTBOUND.					
Animals and animal products, except wool and hair.....			1, 071		18, 200
Fish, salt.....		11		4, 400	
Oysters.....	660			13, 200	
Oysters, shells.....	400			600	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			385		26, 790
Potatoes, Irish.....		9		1, 350	
Potatoes, sweet.....		376		24, 440	
Textiles: Cotton.....		1	1	640	640
Total.....	1, 060	397	1, 457		44, 630
Total eastbound and westbound.....	3, 162	474	3, 636		94, 707

SUMMARY.

Classes of commodities.	Eastbound.		Westbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	2,112	\$46,040	1,071	\$18,200	3,183	\$64,240
Vegetable food products.....	23	1,837	385	26,790	408	27,627
Textiles.....			1	640	1	640
Chemicals.....	44	2,200			44	2,200
Total.....	2,179	50,077	1,457	44,630	3,636	94,707

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Gasoline.....	15	150
Sail.....	24	425
Total.....	39	575

HARBOR AT BEAUFORT, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	46,675	()	()	1907.....	49,361	2,421,556.50	()
1891.....	69,330	()	()	1908.....	46,178	2,137,369.00	()
1892.....	55,070	()	()	1909.....	52,906	1,323,470.00	()
1893.....	62,913	()	()	1910.....	54,370	1,708,600.00	()
1895.....	30,522	()	()	1911.....	74,185	2,429,229.00	()
1896.....	38,807	()	()	1912.....	90,314	2,893,506.00	()
1897.....	34,930	()	()	1913.....	85,223	2,400,015.00	()
1898.....	38,781	()	()	1914.....	68,241	1,921,877.56	8,500
1899.....	39,356	()	()	1915.....	169,712	2,948,674.90	9,000
1901.....	72,183	()	()	1916.....	193,871	3,971,353.80	1,200
1902.....	78,983	()	()	1917.....	147,771	3,878,258.00	10,000
1903.....	60,800	()	()	1918.....	147,240	5,274,000.00	10,000
1904.....	62,226	\$9,902,960.50	()	1919.....	105,637	5,420,820.00	()
1905.....	66,656	3,891,269.00	()	1920 *.....	62,750	4,314,186.00	12,000
1906.....	58,889	3,970,885.00	()				

* No statistics available.

* Exclusive of 42,000 tons cargoes in transit, valued at \$615,000 and 4,960 tons rafted timber, valued at \$48,600.

[Season of navigation, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
INBOUND.					
Animals and animal products, except wool and hair.....			23,665		\$1,288,390
Cattle.....		13		\$3,900	
Clams.....		242		12,100	
Eggs.....		2		1,200	
Scallops.....	4,000			85,700	
Fertilizer fish.....	10,500			106,000	
Fish, fresh.....		4,713		942,600	
Fish, salt.....		58		23,200	
Hogs.....		8		3,200	
Oysters, in shell.....	3,040			24,320	
Do.....		36		720	
Poultry.....		2		1,500	
Soft crabs.....		96		48,000	
Oysters, shucked.....		80		35,200	
Shells, oyster.....	875			1,750	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			10,508		1,038,225
Cotton seed.....		121		9,680	
Cottonseed hulls.....		57		855	
Cottonseed meal.....		147		11,025	
Grain.....		125		3,125	
Groceries.....		706		317,700	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
INBOUND—continued.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages—Continued.					
Peanuts.....	30			\$6,000	
Do.....		8		1,000	
Potatoes, Irish.....	225			33,750	
Do.....		2,312		346,800	
Potatoes, sweet.....	1,800			117,000	
Do.....		496		32,240	
Soft drinks.....	1,200			48,000	
Do.....		360		14,400	
Watermelons.....	2,000			60,000	
Do.....		500		15,000	
Unclassified.....		421		21,050	
Textiles: Cotton.....		166	166	106,240	\$106,240
Wood and paper.....			6,877		145,180
Empty oil barrels.....		133		6,650	
Lumber.....		4,910		122,750	
Piles.....		30		1,200	
Shingles.....		4		180	
Wood.....	1,800			14,400	
Nonmetallic minerals.....			328		4,243
Brick.....		65		650	
Cement.....		100		1,800	
Coal.....		163		1,793	
Total.....	25,470	16,074	41,544		2,582,278
OUTBOUND.					
Animals and animal products, except wool and hair: Fish oil.....		1,253	1,253	250,600	250,600
Vegetable food products, oil seeds, ex- pressed oils and beverages.....			3,098		1,148,982
Cotton seed.....		100		8,000	
Cottonseed hulls.....		50		750	
Groceries.....		2,500		1,125,000	
Hay.....		448		15,232	
Textiles.....			83		132,000
Cotton.....		25		16,000	
Dry goods.....		58		116,000	
Wood and paper.....			1,010		41,100
Furniture.....		40		12,000	
Empty boxes, barrels, etc.....	600			18,000	
Do.....		370		11,100	
Nonmetallic minerals.....			3,337		60,458
Brick.....		60		600	
Cement.....		77		1,386	
Coal.....	2,200			24,200	
Gasoline.....		180		11,200	
Kerosene.....		260		10,400	
Lime.....		44		880	
Salt.....		536		11,792	
Ores, metals, and manufactures, except machinery and vehicles: Hardware.....		69	69	27,600	27,600
Machinery and vehicles: Hardware.....		416	416	83,200	83,200
Machinery and vehicles: Machinery.....			11,940		487,968
Chemicals.....					
Fertilizer.....		3,680		184,000	
Fertilizer material.....	5,291			211,640	
Do.....		2,143		85,720	
Ice.....		826		6,608	
Total.....	8,091	13,115	21,206		2,231,908
Total inbound and outbound.....	33,561	29,189	62,750		4,814,186

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Inbound.		Outbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	23,665	\$1,238,390	1,253	\$250,600	24,918	\$1,538,990
Vegetable food products.....	10,508	1,038,225	3,098	1,148,962	13,606	2,187,207
Textiles.....	166	106,240	83	132,000	249	238,240
Wood and paper.....	6,877	145,180	1,010	41,100	7,887	186,280
Nonmetallic minerals.....	328	4,243	3,337	60,458	3,665	64,701
Ores and metals.....			69	27,600	69	27,600
Machinery and vehicles.....			416	83,200	416	83,200
Chemicals.....			11,940	457,968	11,940	457,968
Total.....	41,544	2,582,278	21,206	2,231,908	62,750	4,814,186

ADDITIONAL TRAFFIC.

	Short tons.	Value.
Cargoes in transit.....	42,000	\$615,000
Timber, rafted and towed.....	4,860	48,600

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	3	110
Gasoline.....	122	1,830
Sail.....	22	284
Barges.....	11	2,200
Total.....	158	4,404

Number of passengers transported during the year, about 12,000.

From 200 to 250 yachts, steamers, and sail vessels came in for harbor or supplies during the year. Ten to 12 flats were employed on this waterway carrying lumber, etc.

WATERWAY CONNECTING CORE SOUND AND BEAUFORT HARBOR, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1915.....	13,452	\$382,936	2,000	1918.....	36,846	\$2,052,318	4,500
1916.....	18,401	683,052	4,000	1919.....	34,032	2,438,461	(¹)
1917.....	26,463	1,364,808	6,000	1920.....	31,654	2,839,502	10,000

¹ No statistics available.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
EASTBOUND.					
Animals and animal products, except wool and hair.....			5,800		\$82,000
Scallops.....	800			\$32,000	
Fertilizer, fish.....	5,000			50,000	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			3,142		976,224
Cottonseed hulls.....		86		1,230	
Cottonseed meal.....		139		9,750	
Grain.....		52		3,380	
Groceries.....		2,038		917,100	
Hay.....		306		10,204	
Potatoes, Irish.....		120		18,000	
Soft drinks.....		400		16,000	
Unclassified.....		10		500	
Textiles: Dry goods.....		22	22	44,000	44,000
Wood and paper.....			6,897		93,426
Furniture.....		11		3,300	
Lumber.....		850		21,250	
Shingles.....		28		1,160	
Timber, round, rafted.....	5,250			52,500	
Wood.....	312			2,736	
Truck barrels.....		416		12,480	
Nonmetallic minerals.....			2,685		44,502
Coal.....	1,800			19,800	
Do.....		80		880	
Cement.....		47		846	
Gasoline.....		110		7,700	
Kerosene.....		120		4,800	
Lime.....		20		500	
Salt.....		408		8,976	
Brick.....		100		1,000	
Ores, metals, and manufactures, except machinery and vehicles: Hardware.....		51	51	20,400	20,400
Machinery and vehicles: Machinery.....		88	88	17,600	17,600
Chemicals.....			1,874		60,100
Ice.....		800		6,400	
Fertilizer.....		1,074		53,700	
Total.....	13,192	7,367	20,559		1,338,262
WESTBOUND.					
Animals and animal products, except wool and hair.....			6,340		717,460
Cattle.....		15		4,500	
Clams.....		150		7,500	
Scallops.....		600		15,000	
Eggs.....		1		600	
Fish, fresh.....		2,340		468,000	
Fish, salt.....		43		17,200	
Fish oil.....		535		107,000	
Hogs.....		2		800	
Oysters, shucked.....		80		35,200	
Oysters, in shell.....	1,000			20,000	
Do.....		212		5,300	
Poultry.....		4		3,000	
Shells, oyster.....	1,230			2,560	
Soft crabs.....		60		30,000	
Shrimp.....	18			800	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			4,506		427,510
Cotton seed.....		517		41,360	
Potatoes, Irish.....		1,572		235,800	
Potatoes, sweet.....		2,100		136,500	
Watermelons.....		100		3,000	
Unclassified.....		217		10,850	
Textiles: Cotton.....		310	310	198,400	198,400

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
WESTBOUND—continued.					
Wood and paper			1,036		\$28,270
Empty oil barrels		64		\$3,200	
Furniture		2		600	
Lumber		750		18,750	
Empty soft drink crates		180		5,400	
Wood		40		320	
Chemicals			1,903		129,610
Fish scrap	1,783			124,810	
Fertilizer material		120		4,800	
Total	4,081	10,014	14,095		1,501,250
Total eastbound and westbound	17,273	17,381	34,654		2,839,502

SUMMARY.

Classes of commodities.	Eastbound.		Westbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....	5,900	\$82,000	6,340	\$717,460	12,140	\$799,460
Vegetable food products.....	3,142	976,224	4,506	427,510	7,648	1,403,734
Textiles.....	22	44,000	310	198,400	332	242,400
Wood and paper.....	6,897	93,426	1,036	28,270	7,933	121,696
Nonmetallic minerals.....	2,685	44,502			2,685	44,502
Ores and metals.....	51	20,400			51	20,400
Machinery and vehicles.....	88	17,600			88	17,600
Chemicals.....	1,874	60,100	1,903	129,610	3,777	189,710
Total.....	20,559	1,338,252	14,095	1,501,250	34,654	2,839,502

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Gasoline.....	80	960
Sail.....	22	264
Total.....	102	1,224

Number of passengers carried during the year, 10,000.

About six flats were employed on this waterway to carry fish scrap, etc.

INLAND WATERWAY, BEAUFORT TO JACKSONVILLE, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914.....	72,064	\$696,244	6,004	1918.....	84,446	\$1,592,218	15,000
1915.....	71,733	781,276	7,550	1919.....	71,876	1,995,112	(¹)
1916.....	90,751	1,113,263	16,550	1920.....	70,060	1,679,190	15,000
1917.....	90,271	1,226,748	16,000				

¹ No statistics available.

[Season of navigation, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
EASTBOUND.						
Animals and animal products, ex- cept wool and hair.....			5,208		\$300,635	Miles.
Cattle.....		6		\$1,800		25
Clams.....		100		5,000		25
Fish, fresh.....		870		174,000		25
Fish, salt.....		37		14,800		25
Fish scrap.....	157			10,990		3
Hogs.....		6		2,400		25
Oysters.....	200			4,000		20
Poultry.....		2		1,500		25
Scallops.....	3,830			86,145		12
Vegetable food products, oil seeds, expressed oils, and beverages.....			580		84,235	
Cottonseed.....		128		10,240		25
Cottonseed hulls.....		5		75		25
Cottonseed meal.....		22		1,650		25
Grain.....		37		2,405		18
Groceries.....		103		46,350		20
Hay.....		10		340		8
Potatoes, Irish.....		120		18,000		20
Potatoes, sweet.....		15		975		25
Watermelons.....	140			4,200		15
Textiles.....			93		67,680	
■ Cotton.....		87		55,680		25
Dry goods.....		6		12,000		20
Wood and paper.....			31,859		550,800	
Empty oil barrels.....		23		1,150		25
Furniture.....		5		1,500		25
Lumber.....	15,296			382,400		22
Empty crates.....		20		600		25
Timber.....	16,515			165,150		20
Nonmetallic minerals.....			27		590	
Brick.....		13		130		8
Cement.....		10		180		25
Gasoline.....		4		280		25
Ores, metals, and manufactures.....			140		2,870	
Hardware.....		2		800		8
Scrap iron.....		138		2,070		25
Chemicals: Fertilizer.....		566	566	28,300	28,300	17
Total.....	36,138	2,335	38,473		1,035,110	
WESTBOUND.						
Animals and animal products, ex- cept wool and hair.....			16,550		173,900	
Clams.....		10		500		25
Eggs.....		1		600		25
Fertilizer fish.....	16,500			165,000		5
Fish, fresh.....		39		7,800		20

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
WESTBOUND—continued.						
Vegetable food products, oil seed, expressed oils, and beverages.....			896		\$145,190	Miles.
Cottonseed.....		13		\$1,040		25
Cottonseed hulls.....		23		345		25
Cottonseed meal.....		7		525		25
Grain.....		238		15,470		25
Groceries.....		256		115,200		25
Hay.....		310		10,540		25
Potatoes, Irish.....		1		150		25
Soft drinks.....		48		1,920		25
Textiles.....			82		82,400	
Cotton.....		60		38,400		18
Dry goods.....		22		44,000		25
Wood and paper.....			11,011		130,200	
Empty oil barrels.....		6		300		17
Furniture.....		3		900		25
Lumber.....	1,242			31,050		8
Shingles.....		10		450		25
Timber.....	9,750			97,500		10
Nonmetallic minerals.....			1,011		17,830	
Brick.....		43		430		25
Cement.....		8		144		25
Coal.....		180		1,980		25
Gasoline.....		177		12,390		25
Kerosene.....		7		280		25
Lime.....		3		60		25
Salt.....		93		2,046		12
Sand.....	500			500		25
Ores, metals, and manufactures, except machinery and vehicles:						
Hardware.....		21	21	8,400	8,400	25
Chemicals.....			2,016		86,160	
Fertilizer.....		1,650		82,500		25
Ice.....		366		3,660		25
Total.....	27,992	3,595	31,587		644,080	
Total eastbound and west- bound.....	64,130	5,930	70,060		1,679,190	

SUMMARY.

Classes of commodities.	Eastbound.		Westbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....	5,208	\$300,635	16,550	\$173,900	21,758	\$474,535
Vegetable food products.....	580	84,135	896	145,190	1,476	229,425
Textiles.....	93	67,680	82	82,400	175	150,080
Wood and paper.....	31,859	550,800	11,011	130,200	42,870	681,000
Nonmetallic minerals.....	27	590	1,011	17,830	1,038	18,420
Ores and metals.....	140	2,870	21	8,400	161	11,270
Chemicals.....	566	28,300	2,016	86,160	2,582	114,460
Total.....	38,473	1,035,110	31,587	644,080	70,060	1,679,190

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	3	90
Gasoline.....	70	960
Sail.....	6	48
Barges.....	2	420
Total.....	81	1,518

Number of passengers transported during the year, about 15,000.

During the year 40 to 50 yachts passed over this waterway; about 10 flats or lighters were used in carrying lumber.

HARBOR AT MOREHEAD CITY, N. C.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910.....	6,513	\$419,600	(1)	1916.....	20,434	\$633,688	12,000
1911.....	9,019	756,425	(1)	1917.....	27,680	1,110,237	10,000
1912.....	15,587	973,179	(1)	1918.....	20,124	1,623,237	10,000
1913.....	14,824	951,812	(1)	1919.....	12,073	1,267,360	(1)
1914.....	17,828	869,005	8,000	1920.....	13,521	1,353,294	12,000
1915.....	12,363	678,606	10,000				

¹ No statistics available.

[Navigation season, entire year.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
INBOUND.					
Animals and animal products, except wool and hair.....			6,418		\$694,879
Clams.....		126		\$6,300	
Scallops.....	3,360			84,000	
Eggs.....		1		600	
Fish, fresh.....		2,760		552,000	
Fish, salt.....		7		2,800	
Hogs.....		4		1,600	
Oysters in shell.....		40		800	
Oysters, shucked.....		60		26,019	
Soft crabs.....		40		20,000	
Shrimp.....		20		760	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			1,659		185,550
Potatoes, Irish.....		1,020		153,000	
Potatoes, sweet.....		350		22,750	
Vegetables.....		35		2,100	
Watermelons.....		250		7,500	
Unclassified.....		4		200	
Textiles: Cotton.....		5	5	3,200	3,200
Wood and paper.....			1,495		33,010
Empty oil barrels.....		17		850	
Empty truck barrels.....		150		4,500	
Lumber.....		44		1,100	
Piles.....		4		160	
Empty soft drink crates.....		680		20,400	
Timber, round, rafted.....	600			6,000	
Nonmetallic minerals: Salt.....		12	12	6,000	6,000
Chemicals: Fertilizer.....		50	50	2,500	2,500
Total.....	3,960	5,679	9,639		925,139

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
OUTBOUND.					
Vegetable food products oil seeds, ex- pressed oils, and beverages.....			2,188		\$357,325
Cottonseed hulls.....		3		\$45	
Grain.....		9		600	
Groceries.....		660		297,000	
Hay.....		244		8,800	
Soft drinks.....		1,272		50,880	
Textiles: Dry goods.....		10	10	20,000	20,000
Wood and paper.....			112		4,490
Empty oil barrels.....		30		1,500	
Empty barrels and boxes.....		55		1,650	
Furniture.....		2		600	
Lumber.....		20		500	
Shingles.....		2		90	
Unclassified.....		3		150	
Nonmetallic minerals.....			577		13,460
Brick.....		25		250	
Cement.....		20		360	
Coal.....	410			4,510	
Gasoline.....		118		8,260	
Salt.....		4		80	
Ores, metals, and manufactures, except machinery and vehicles: Hardware.....		1	1	400	400
Chemicals.....			994		32,480
Fertilizer.....		584		29,200	
Ice.....		410		3,280	
Total.....	410	3,472	3,882		428,155
Total inbound and outbound.....	4,370	9,151	13,521		1,353,294

SUMMARY.

Classes of commodities.	Inbound.		Outbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	6,418	\$694,879			6,418	\$694,879
Vegetable food products.....	1,659	185,550	2,188	\$357,325	3,847	542,875
Textiles.....	5	3,200	10	20,000	15	23,200
Wood and paper.....	1,495	33,010	112	4,490	1,607	37,500
Nonmetallic minerals.....	12	6,000	577	13,460	589	19,460
Ores and metals.....			1	400	1	400
Chemicals.....	50	2,500	994	32,480	1,044	34,980
Total.....	9,639	925,139	3,882	428,155	13,521	1,353,294

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	3	110
Gasoline.....	70	680
Sail.....	22	264
Total.....	95	1,054

Number of passengers transported during the year, about 12,000.

In addition to the above vessels, 100 to 125 yachts and steamers come in for supplies during the year.

BEAUFORT INLET, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1904.....	4,000	\$502,000.00	1913.....	27,275	\$466,716.00
1905.....	15,654	580,244.00	1914.....	23,754	292,074.00
1906.....	10,465	457,900.00	1915.....	119,585	1,112,937.60
1907.....	15,899	427,540.00	1916.....	173,117	1,274,231.50
1908.....	20,575	700,625.00	1917.....	86,516	845,651.00
1909.....	20,805	384,400.00	1918.....	78,650	404,028.00
1910.....	27,100	294,700.00	1919.....	51,179	619,625.00
1911.....	32,263	283,640.00	1920.....	37,436	772,060.00
1912.....	38,086	635,033.00			

[Season of navigation: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
INBOUND.					
Animals and animal products, except wool and hair.....			36,000		\$645,000
Fertilizer, fish.....	34,500			\$345,000	
Fish, fresh.....	1,500			300,000	
Total.....	36,000		36,000	645,000	645,000
OUTBOUND.					
Wood and paper: Wood.....		30	30	240	240
Nonmetallic minerals: Gasoline.....		6	6	420	420
Machinery and vehicles: Machinery.....	600		600	120,000	120,000
Chemicals: Ice.....		800	800	6,400	6,400
Total.....	600	836	1,436	127,000	127,000
Total inbound and outbound.....	36,000	836	37,436		772,060

SUMMARY.

Classes of commodities.	Inbound.		Outbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....	36,000	\$645,000			36,000	\$645,000
Wood and paper.....			30	\$240	30	240
Nonmetallic minerals.....			6	420	6	420
Machinery and vehicles.....	600		600	120,000	600	120,000
Chemicals.....			800	6,400	800	6,400
Total.....	36,000	645,000	1,436	127,060	37,436	772,000

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	2	80
Gasoline.....	77	1,540
Total.....	79	1,620

From 200 to 250 yachts, steamers, and sail vessels came in for harbor, or bound to and from southern points, and passed over this inlet during the year.

CAPE FEAR RIVER, N. C., AT AND BELOW WILMINGTON.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	346,557	(1)	(1)	1906.....	814,291	\$42,684,315.75	(1)
1891.....	344,743	(1)	(1)	1907.....	870,556	50,890,793.00	(1)
1892.....	341,468	(1)	(1)	1908.....	864,071	49,753,175.00	(1)
1893.....	392,965	(1)	(1)	1909.....	872,426	52,214,254.00	(1)
1894.....	437,623	(1)	(1)	1910.....	944,657	55,228,647.00	(1)
1895.....	618,054	(1)	(1)	1911.....	1,063,908	58,933,932.00	(1)
1896.....	673,208	(1)	(1)	1912.....	1,072,205	60,863,344.00	(1)
1897.....	595,426	(1)	(1)	1913.....	773,610	46,736,713.06	(1)
1898.....	627,999	(1)	(1)	1914.....	792,304	28,682,133.25	32,728
1899.....	621,852	(1)	(1)	1915.....	709,570	46,635,404.54	30,000
1900.....	699,356	(1)	(1)	1916.....	521,530	34,310,564.90	37,000
1901.....	727,359	(1)	(1)	1917.....	477,863	33,147,578.00	48,420
1902.....	841,631	(1)	(1)	1918.....	459,223	43,907,870.00	44,435
1903.....	843,337	(1)	(1)	1919.....	² 495,074	62,026,271.00	(1)
1904.....	856,011	\$44,724,500.00	(1)	1920.....	² 582,681	50,611,503.70	15,246
1905.....	871,106	49,223,307.00	(1)				

¹ No statistics available.

² Exclusive of 64,496 tons, valued at \$17,496,656, cargoes in transit.

³ Exclusive of 22,498 tons, valued at \$5,649,640, cargoes in transit. Includes 17,700 tons floated logs, value \$141,000.

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Molasses.....	15,212	15,212	\$358,013.70	\$358,013.70
Chemicals: Fertilizer material.....	239,726	239,726	11,986,300.00	11,986,300.00
Total.....		254,938		12,344,313.70
EXPORTS.				
Textiles: Cotton.....	23,384	23,384	13,095,040.00	13,095,040.00
Total imports and exports.....		278,322		25,439,353.70

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, DOWNBOUND.							
Animals and animal products; except wool and hair.			54		\$21,200	Miles.	Cents.
Cattle.		26		\$7,800		12	16.6
Eggs.		13		6,500		12	16.6
Hogs.		6		2,400		12	16.6
Horses.		9		4,500		12	16.6
Vegetable food products, oil seeds, expressed oils, and beverages.			1,697		258,012		
Cottonseed hulls.		110		2,640		12	16.6
Cottonseed meal.		135		7,425		12	16.6
Grain.		513		33,345		12	16.6
Groceries.		384		192,000		20	16.0
Hay.		336		10,752		12	16.6
Potatoes, Irish.		22		2,200		25	15.4
Potatoes, sweet.		26		1,680		12	16.6
Soft drinks.		59		2,360		20	16.0
Vegetables.		112		5,600		25	15.4
Textiles: Dry goods.		172	172	354,000	354,000	20	16.0
Wood and paper.			886		25,377		
Croesties.	45			900		25	15.4
Empty oil barrels.		140		7,000		25	15.4
Empty fish barrels.		5		407		25	15.4
Furniture.		12		3,000		25	15.4
Lumber.	658			13,160		20	16.0
Shingles.		26		910		20	16.0
Nonmetallic minerals.			6,901		103,219		
Brick.	997			8,973		25	15.3
Coal.	5,174			62,136		25	15.3
Cement.		253		5,060		25	15.3
Gasoline.		293		20,510		25	15.4
Kerosene.		143		5,720		25	15.4
Lime.		41		820		20	16.0
Machinery and vehicles.			746		168,400		
Hardware.		128		44,800		25	15.4
Machinery.		618		123,600		25	15.4
Chemicals.			1,856		122,570		
Fertilizer.		1,709		119,630		12	16.6
Salt.		147		2,940		25	15.4
Unclassified.			562		31,452		
General merchandise.		293		29,300		25	15.4
Ice.		269		2,152		25	15.4
Total.	6,874	6,000	12,874		1,084,230		
INTERNAL UPBOUND.							
Animals and animal products, except wool and hair.			1,776		395,075		
Clams.		78		3,900		25	15.4
Cattle.		28		8,400		12	16.6
Eggs.		4		2,000		12	16.6
Fish, fresh.		300		60,000		25	15.4
Fish, salt.		197		78,800		25	15.4
Fish, oil.		1,133		226,600		20	16.0
Hogs.		22		8,800		12	16.6
Horses.		8		4,000		20	16.0
Oysters.		1		25		25	15.4
Poultry.		5		2,500		12	16.6
Vegetable food products, oil seeds, expressed oils, and beverages.			657		48,065		
Cottonseed meal.		63		3,465		20	16.0
Peanuts.		64		12,800		12	16.6
Potatoes, Irish.		59		5,900		12	16.6
Potatoes, sweet.		106		6,890		21	16.6
Rice, rough.		48		4,800		12	16.6
Vegetables.		235		11,750		12	16.6
Watermelons.		82		2,460		12	16.6

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
						Miles.	Cents.
Other vegetable products, except fibers and wood.....			254		\$14,535		
Rosin.....		61		\$2,745		12	16.6
Turpentine, crude.....		101		7,070		12	16.6
Turpentine, spirits.....		28		2,800		12	16.6
Tar.....		64		1,920		12	16.6
Textiles: Cotton.....		83	83	46,480	46,480	12	16.6
Wood and paper.....			8,452		135,683		
Empty oil barrels.....		105		5,250		20	16.0
Lumber.....	5,298			105,960		12	16.6
Shingles.....		3		105		12	16.6
Timber, floated.....	2,250			13,000		12	16.6
Wood, fuel.....	796			6,368		12	16.6
Chemicals: Fertilizer material.....	5,085		5,085	254,250	254,250	20	16.0
Unclassified.....			1,730		202,402		
Empty gasoline drums.....	133			42,702		25	15.4
General merchandise.....	1,597			159,700		25	15.4
Total.....	13,429	4,608	18,037		1,096,440		
Total internal up-bound and down-bound.....	20,303	10,608	30,911		2,180,670		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.....			7,618		424,375		
Clams.....		110		5,500		30	(1)
Eggs.....		18		9,000		30	(1)
Fish, salt.....		138		55,200		30	(1)
Fish, fertilizer.....	6,783			339,150		30	(1)
Oysters.....		1		25		30	(1)
Poultry.....		6		3,000		30	(1)
Shrimp.....	562			22,500		30	(1)
Vegetable food products, oil seeds, expressed oils, and beverages.....			5,941		1,000,362		
Cotton seed.....		77		5,380		30	(1)
Groceries.....	3,330			1,665,000		30	(1)
Molasses.....	2,388			225,722		30	(1)
Peanuts.....		23		4,600		30	(1)
Potatoes, sweet.....		105		6,850		30	(1)
Potatoes, Irish.....		18		1,800		30	(1)
Other vegetable products, except fibers and wood.....			1,030		53,615		
Rosin.....		323		15,535		30	(1)
Tar.....		376		11,280		30	(1)
Turpentine, crude.....		210		14,700		30	(1)
Turpentine, spirits.....		121		12,100		30	(1)
Textiles.....			1,081		1,953,200		
Cotton.....		145		81,200		30	(1)
Dry goods.....		936		1,872,000		30	(1)
Wood and paper.....			2,025		49,380		
Empty oil barrels.....		38		1,900		30	(1)
Furniture.....		33		8,250		30	(1)
Lumber.....	1,944			28,880		30	(1)
Shingles.....		10		350		30	(1)
Nonmetallic minerals.....			124,275		8,380,565		
Gasoline.....	93,373			7,002,975		30	(1)
Kerosene.....	30,902			1,386,590		30	(1)
Ores, metals, and manufactures, except machinery and vehicles: Hardware.....		1,077	1,077	376,950	376,950	30	(1)
Chemicals: Fertilizer material.....		19,165	19,165	968,250	968,250	30	(1)
Unclassified.....			1,484		1,620,260		
Empty gasoline drums.....		106		34,560		30	(1)
General merchandise.....		6,376		1,594,700		30	(1)
Total.....	133,564	35,132	168,696		15,753,957		

1 No statistics available.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE.							
Vegetable food products, oil seeds, expressed oils, and beverages.			1,970		\$712,906	Miles.	Cents.
Cottonseed meal.		93		\$5,115		30	(1)
Grain.		311		20,215		30	(1)
Groceries.		1,362		681,000		30	(1)
Hay.		198		6,336		30	(1)
Soft drinks.		6		240		30	(1)
Other vegetable food products, except fibers and wood.			960		23,280		
Rosin.		756		15,120		30	(1)
Tar.		188		5,640		30	(1)
Turpentine, crude.		36		2,520		30	(1)
Textiles.			2,109		1,209,840		
Cotton.		2,069		1,169,840		30	(1)
Dry goods.		20		40,000		30	(1)
Wood and paper.			3,752		78,325		
Empty oil barrels.		84		4,200		30	(1)
Furniture.		3		750		30	(1)
Lumber.	3,660			73,200		30	(1)
Shingles.		5		175		30	(1)
Nonmetallic minerals.			541		27,613		
Brick.		97		873		30	(1)
Cement.		19		380		30	(1)
Gasoline.		320		22,400		30	(1)
Kerosene.		88		3,520		30	(1)
Lime.		17		340		30	(1)
Ores, metals, and manufactures, except machinery and vehicles: Hardware.		57	57	19,950	19,950	30	(1)
Machinery and vehicles:							
Machinery.		9	9	1,800	1,800	30	(1)
Chemicals.			1,320		82,660		
Fertilizer.		1,088		76,160		30	(1)
Fertilizer material.		62		3,100		30	(1)
Salt.		170		3,400		30	(1)
Unclassified: General merchandise.		2,660	2,660	266,000	266,000		
Total.	3,660	9,738	13,398		2,422,274		
Total receipts and shipments coastwise.	137,224	44,870	182,094		18,176,231		

1 No statistics available.

WILMINGTON HARBOR TO AND FROM RIVERS ABOVE.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair.			249		\$108,300
Cattle.....		52		\$15,600	
Eggs.....		103		51,500	
Hogs.....		58		23,200	
Horses.....		8		4,000	
Poultry.....		28		14,000	
Vegetable food products, oils, seeds, ex- pressed oil and beverages.			1,035		113,850
Cotton seed.....		222		15,540	
Grain.....		179		12,085	
Groceries.....		40		20,000	
Peanuts.....		251		50,200	
Potatoes, sweet.....		101		6,565	
Potatoes, Irish.....		29		2,800	
Vegetables.....		13		650	
Watermelons.....	180	20		6,000	
Other vegetable products, except fibers and wood.			547		24,780
Rosin.....		53		1,880	
Tar.....		340		11,100	
Turpentine, crude.....		120		8,400	
Turpentine, spirits.....		34		3,400	
Textile: Cotton.....		215	215	119,640	119,640
Wood and paper.....			18,817		216,902
Basket bottoms.....		1,250		25,000	
Empty oil barrels.....		28		1,400	
Lumber.....	1,604			32,080	
Logs, saw, floated.....	11,472			91,776	
Shingles.....		1,146		40,110	
Wood, fuel.....		3,317		26,536	
Nonmetallic minerals: Brick.....		70	70	560	560
Unclassified.....			226		23,436
Empty gasoline drums.....		3		1,136	
General merchandise.....		223		22,300	
Total.....	13,256	7,903	21,159		607,461
SHIPMENTS, INTERNAL.					
Animals and animal products, except wool and hair.			104		37,700
Cattle.....		7		1,900	
Fish, fresh.....		20		4,200	
Fish, salt.....		66		26,400	
Hogs.....		3		1,200	
Horses.....		8		4,000	
Vegetable food products, oil seeds, ex- pressed oils and beverages.			3,752		888,447
Cottonseed meal.....		204		11,220	
Cottonseed hulls.....		42		1,008	
Cotton seed.....		14		980	
Grain.....		818		54,170	
Groceries.....		1,569		783,500	
Hay.....		997		31,804	
Peanuts.....		2		400	
Potatoes, Irish.....		10		1,000	
Potatoes, sweet.....		5		325	
Soft drinks.....		91		4,040	
Other vegetable products, except fibers and wood: Tar.....		2	2	60	60
Textiles: Dry goods.....		333	333	306,800	306,800
Wood and paper.....			4,313		57,564
Furniture.....		82		20,500	
Lumber.....	243			4,860	
Shingles.....		10		380	
Timber, round, floated.....	3,978			31,824	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, INTERNAL—continued.					
Nonmetallic minerals.....			1,374		\$27,102
Brick.....		240		\$2,160	
Cement.....		343		8,140	
Coal.....	476			5,712	
Gasoline.....		33		2,310	
Kerosene.....		179		6,720	
Lime.....		103		2,060	
Machinery and vehicles.....			493		134,750
Hardware.....		241		84,350	
Machinery.....		252		50,400	
Chemicals.....			59,343		2,714,710
Fertilizer.....		4,097		356,790	
Fertilizer material.....	29,932	25,168		2,355,000	
Salt.....		146		2,920	
Unclassified.....			481		40,648
General merchandise.....		400		40,000	
Ice.....		81		648	
Total.....	34,629	35,566	70,195		4,207,781
Total receipts and shipments.....	47,885	43,469	91,354		4,815,249

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.
Cotton.....	8,800	\$4,928,000.00
Croosties.....	480	9,600.00
Fertilizer material.....	6,553	597,600.00
Lumber.....	2,649	52,980.00
Naval stores.....	355	24,850.00
Unclassified.....	3,661	36,610.00
Total.....	22,498	5,649,640.00

Freight traffic, 1920—Continued.
SUMMARY.

Classes of commodities.	Foreign.				Coastwise.				Total.	
	Imports.		Exports.		Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	15,212	\$558,013.70			7,618	\$434,375			7,618	\$434,375.00
Vegetable food products.....					5,941	1,909,392			23,123	2,980,281.70
Other vegetable products.....					1,030	53,615			2,010	76,895.00
Textiles.....			23,384	\$13,085,040		1,953,200			26,574	16,258,080.00
Wood and paper.....					2,025	49,390			5,777	127,705.00
Nonmetallic minerals.....					124,275	8,399,585			124,816	8,417,078.00
Ores and metals.....					1,077	376,950			1,134	396,900.00
Machinery and vehicles.....									9	1,800.00
Chemicals.....	239,726	11,986,300			19,165	958,250			260,211	13,027,210.00
Unclassified.....					6,484	1,629,280			9,144	1,895,260.00
Total.....	254,938	12,344,313.70	23,384	13,085,040	168,606	15,753,957	13,398	2,422,274	460,416	43,615,584.70

Classes of commodities.	Wilmington Harbor.				Domestic.				Total.	
	Received.		Shipped.		Internal, upbound.		Internal, down bound.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	249	\$108,200	104	\$37,700	1,776	\$395,025	54	\$21,200	2,183	\$562,225
Vegetable food products.....	1,035	113,950	3,752	886,447	657	48,065	1,697	258,012	7,141	1,308,374
Other vegetable products.....	517	24,790	2	254	254	14,535			803	39,373
Textiles.....	215	119,440	333	306,900	83	46,480	172	354,000	903	829,520
Wood and paper.....	18,817	216,092	4,313	57,564	8,452	135,683	586	28,377	32,468	435,526
Nonmetallic minerals.....	70	560	1,374	27,102			6,901	103,219	8,345	130,881
Ores and metals.....			468	134,750			746	168,400	1,239	303,150
Machinery and vehicles.....			59,343	2,714,710	5,065	254,250	1,856	122,570	66,284	3,091,530
Chemicals.....	226	23,436	461	40,648	1,730	202,402	562	31,452	2,969	297,568
Unclassified.....										
Total.....	21,159	607,468	70,196	4,207,781	18,037	1,066,440	12,874	1,084,230	122,265	6,995,919

Freight traffic, 1920—Continued.

SUMMARY—Continued.

Classes of commodities.	Grand total.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	9, 801	\$996, 600. 00
Vegetable food products.....	30, 264	4, 288, 655. 70
Other vegetable products.....	2, 813	116, 270. 00
Textiles.....	27, 377	17, 085, 000. 00
Wood and paper.....	38, 245	563, 231. 00
Nonmetallic minerals.....	133, 161	8, 547, 959. 00
Ores and metals.....	1, 134	396, 900. 00
Machinery and vehicles.....	1, 248	304, 950. 00
Chemicals.....	326, 495	16, 118, 740. 00
Unclassified.....	12, 143	2, 193, 198. 00
Grand total.....	582, 681	50, 611, 503. 70

Cargoes in transit, tons, 22, 498; value, \$5, 649, 640.

Vessel classification, 1920.

SHIPS ENTERED AND CLEARED THE PORT OF WILMINGTON IN 1920.

Nationality.	Number of vessels.	Nationality.	Number of vessels.
ENTERED, FOREIGN.		ENTERED, COASTWISE.	
American.....	47	American.....	54
British.....	9	Italian.....	7
Chinese.....	1	Norwegian.....	3
Dutch.....	5	Portuguese.....	1
French.....	1	Total.....	65
Italian.....	3	CLEARED, COASTWISE.	
Japanese.....	3	American.....	102
Norwegian.....	2	British.....	8
Spanish.....	2	Italian.....	1
Total.....	73	Dutch.....	4
CLEARED, FOREIGN.		Chinese.....	1
American.....	6	French.....	1
British.....	8	Japanese.....	3
Italian.....	8	Norwegian.....	2
Norwegian.....	3	Total.....	122
Portuguese.....	1		
Spanish.....	2		
Total.....	21		

CAPE FEAR RIVER, N. C., ABOVE WILMINGTON.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891.....	88, 638	(1)	(1)	1906.....	135, 991	\$3, 630, 078. 00	(1)
1892.....	72, 810	(1)	(1)	1907.....	139, 059	4, 040, 217. 00	(1)
1893.....	92, 757	(1)	(1)	1908.....	137, 620	3, 960, 235. 00	(1)
1894.....	85, 497	(1)	(1)	1909.....	168, 535	4, 460, 376. 00	(1)
1895.....	103, 727	(1)	(1)	1910.....	162, 238	4, 824, 392. 00	(1)
1896.....	99, 357	(1)	(1)	1911.....	197, 922	4, 845, 390. 00	(1)
1897.....	91, 841	(1)	(1)	1912.....	213, 181	5, 020, 435. 00	(1)
1898.....	99, 943	(1)	(1)	1913.....	154, 797	3, 485, 393. 99	(1)
1899.....	114, 877	(1)	(1)	1914.....	167, 720	2, 824, 254. 10	1, 317
1900.....	129, 622	(1)	(1)	1915.....	100, 130	1, 675, 002. 80	2, 506
1901.....	124, 112	(1)	(1)	1916.....	100, 846	1, 661, 425. 88	4, 500
1902.....	167, 534	(1)	(1)	1917.....	77, 151	1, 889, 526. 00	3, 906
1903.....	156, 692	(1)	(1)	1918.....	73, 186	2, 119, 403. 00	3, 000
1904.....	150, 016	\$2, 411, 190. 00	(1)	1919.....	67, 295	2, 420, 975. 00	(1)
1905.....	139, 791	4, 537, 612. 00	(1)	1920.....	39, 961	2, 653, 002. 00	3, 000

¹ No statistics available.

[Navigation season: Entire year, with $3\frac{1}{2}$ feet to Fayetteville, N. C.]*Freight traffic, 1920.*

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.							
Animals and animal products, except wool and hair.			43		\$15,700	Miles.	Cents.
Cattle.....		5		\$1,500		50	8
Fish, fresh.....		5		1,000		50	8
Fish, salt.....		33		13,200		75	5.3
Vegetable food products, oil seeds, expressed oils and beverages.....			2,135		727,911		
Grain.....		67		4,355		60	6.6
Groceries.....		1,402		701,000		70	5.6
Hay.....		623		19,936		60	6.6
Peanuts.....		2		400		4	(¹)
Potatoes, Irish.....		3		300		4	(¹)
Soft drinks.....		38		1,920		15	13.3
Other vegetable products, except fibers and wood:							
Tar.....		2	2	60	60	4	(¹)
Textiles: Dry goods.....		68	68	81,600	81,600	54	7.4
Wood and paper.....			228		9,265		
Furniture.....		20		5,000		40	10
Lumber.....	201			4,020		60	6.6
Shingles.....		7		245		40	10
Nonmetallic minerals.....			697		11,555		
Brick.....		55		495		70	5.6
Cement.....		31		620		75	5.3
Coal.....	455			5,460		40	10
Kerosene oil.....		93		3,720		60	6.6
Lime.....		63		1,260		70	5.6
Machinery and vehicles.....			264		85,800		
Hardware.....		220		77,000		70	5.6
Machinery.....		44		8,800		4	(¹)
Chemicals.....			27,203		1,398,050		
Fertilizer.....		2,000		140,000		52	7.5
Fertilizer material.....	21,810	3,323		1,256,650		4	(²)
Salt.....		70		1,400		80	5
Unclassified.....			422		40,176		
General merchandise.....		400		40,000		60	6.6
Ice.....		22		176		60	6.6
Total.....	22,466	8,596	31,062		2,370,117		
DOWNBOUND.							
Animals and animal products, except wool and hair.			113		47,000		
Cattle.....		32		9,600		50	8
Eggs.....		35		17,500		70	5.7
Hogs.....		31		12,400		40	10
Horses.....		3		1,500		40	10
Poultry.....		12		6,000		84	4.7
Vegetable food products, oil seeds, expressed oils and beverages.....			334		40,925		
Cotton seed.....		166		11,620		56	7.2
Grain.....		92		6,440		50	8
Groceries.....		40		20,000		40	10
Peanuts.....		9		1,800		15	18
Potatoes, sweet.....		5		325		15	18
Vegetables.....		4		200		15	18
Watermelons.....		18		540		60	(¹)
Other vegetable products, except fibers and wood:			382		16,969		
Rosin.....		18		810		80	5
Tar.....		255		7,650		80	5
Turpentine, spirit.....		29		2,900		60	6.5
Turpentine, crude.....		80		5,000		60	6.5
Textiles: Cotton.....		163	163	91,480	91,480	55	7.3

¹ Carried by owners.² Cargo.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
DOWNBOUND—continued.						<i>Miles.</i>	<i>Cents.</i>
Wood and paper.....			7,614		\$33,660		
Empty oil barrels.....		10		\$300		63	6.5
Logs, saw, floated.....	5,772			46,176		60	(1)
Lumber.....	194			3,880		40	(1)
Wood, fuel.....	1,638			13,104		60	(1)
Nonmetallic minerals: Brick.	70		70	560	560	40	10
Unclassified: General mer- chandise.....		223	223	22,300	22,300	60	6.5
Total.....	7,674	1,225	8,899		282,885		
Total upbound and downbound.....	30,140	9,821	39,961		2,653,002		

¹ Carried by owners.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....	43	\$15,700	113	\$47,000	156	\$62,700
Vegetable food products.....	2,135	727,911	334	40,925	2,469	768,836
Other vegetable products.....	2	60	382	16,960	384	17,020
Textiles.....	68	81,600	163	91,480	231	173,080
Wood and paper.....	228	9,265	7,614	63,660	7,842	72,925
Nonmetallic minerals.....	697	11,555	70	560	767	12,115
Machinery and vehicles.....	264	85,800			264	85,800
Chemicals.....	27,203	1,398,050			27,203	1,398,050
Unclassified.....	422	40,176	223	22,300	645	62,476
Total.....	31,062	2,370,117	8,899	282,885	39,961	2,653,002

Vessel classification, 1920.

Classes.	Ameri- can.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steamships.....	12	2	14	25,133
Steamers.....	9		9	315
Gasoline.....	8		8	64
Total.....	29	2	31	25,512

Number of passengers carried during the year about 3,000. About 38,000 employees transported to and from plants.

NORTHEAST RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	40,596	(1)	(1)	1906.....	106,151	\$1,314,946	(1)
1891.....	30,295	(1)	(1)	1907.....	106,004	1,605,565	(1)
1892.....	37,429	(1)	(1)	1908.....	101,461	1,618,730	(1)
1893.....	40,388	(1)	(1)	1909.....	126,086	1,744,055	(1)
1894.....	41,086	(1)	(1)	1910.....	120,045	1,592,089	(1)
1895.....	39,721	(1)	(1)	1911.....	150,019	1,887,574	(1)
1896.....	85,163	(1)	(1)	1912.....	165,223	2,271,849	(1)
1897.....	63,398	(1)	(1)	1913.....	123,170	1,848,558	(1)
1898.....	59,422	(1)	(1)	1914.....	128,518	2,116,210	824
1899.....	48,269	(1)	(1)	1915.....	68,116	1,263,962	871
1900.....	56,748	(1)	(1)	1916.....	81,247	1,064,329	1,379
1901.....	66,873	(1)	(1)	1917.....	67,756	1,253,369	2,000
1902.....	100,186	(1)	(1)	1918.....	61,110	1,761,698	2,000
1903.....	102,183	(1)	(1)	1919.....	67,629	2,271,229	(1)
1904.....	105,800	\$1,077,633	(1)	1920.....	48,097	1,904,937	\$1,000
1905.....	111,979	1,337,528	(1)				

1 No statistics available.

2 About 20,000 employees transported by companies' boats.

[Navigation season, entire year over the lower 52 miles.]

Freight traffic.

DOMESTIC, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.							
Animals and animal products, except wool and hair.			31		\$10,600	Miles.	Cents.
Cattle.....		2		\$400		35	10
Fish, fresh.....		11		2,200		20	10
Fish, salt.....		7		2,900		30	10
Hogs.....		3		1,200		35	10
Horses.....		8		4,000		40	10
Vegetable food products, oil seeds, expressed oils, and beverages.			802		\$3,011		
Cottonseed.....		14		980		35	8.5
Cottonseed meal.....		99		5,445		40	7.5
Cottonseed hulls.....		42		1,008		35	8.5
Grain.....		314		21,410		30	15.2
Groceries.....		93		46,500		35	8.5
Hay.....		229		7,228		43	7
Soft drinks.....		11		440		30	10
Textiles: Dry goods.....		131	131	157,200	157,200	36	8.3
Wood and paper.....			4,073		45,914		
Furniture.....		53		13,250		30	10
Lumber.....	42			840		15	6.5
Timber, logs, floated.....	3,978			31,824		1	(1)
Nonmetallic minerals.....			494		9,877		
Brick.....	135			1,215		35	8.5
Cement.....		248		4,960		40	7.5
Coal.....	21			252		35	8.5
Gasoline.....		33		2,310		30	10
Kerosene.....		22		440		25	10
Lime.....		35		700		40	7.5
Machinery and vehicles.....			123		27,600		
Hardware.....		20		7,000		30	10
Machinery.....		103		20,600		30	(1)
Chemicals.....			31,992		1,307,800		
Fertilizer.....		2,000		210,000		42	7.1
Fertilizer material.....	29,932			1,006,600		2	(1)
Salt.....		60		1,200		35	8.5
Unclassified: Ice.....		48	48	384	384	25	8.5
Total.....	34,108	3,586	37,694		1,642,386		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
DOWNBOUND.							
Animals and animal prod- ucts, except wool and hair.....			50		\$26, 100	Miles.	Cnts.
Cattle.....		11		\$3, 300		30	13.3
Eggs.....		22		11, 000		30	13.3
Hogs.....		12		4, 800		35	11.6
Horses.....		5		2, 500		20	20
Poultry.....		9		4, 500		20	13.3
Vegetable food products, oil seeds, expressed oils, and beverages.....			610		65, 915		
Cotton seed.....		55		3, 850		30	10
Grain.....		15		975		20	13.3
Peanuts.....		233		48, 600		40	7.6
Potatoes, Irish.....		26		2, 600		30	13.3
Potatoes, sweet.....		96		6, 240		20	16.7
Vegetables.....		5		250		30	13.3
Watermelons.....	180			5, 400		20	20
Other vegetable products, except fibers and wood.....			130		6, 390		
Rosin.....		34		1, 020		35	11.6
Tar.....		60		2, 700		26	8.5
Turpentine, spirits.....		5		500		30	13.3
Turpentine, crude.....		31		2, 170		30	13.3
Textiles: Cotton.....		46	46	25, 760	25, 760	30	10
Wood and paper.....			9, 555		137, 250		
Basket bottoms.....	1, 250			25, 000		35	(1)
Empty oil barrels.....		14		700		20	20
Logs, floated.....	4, 500			36, 000		25	(1)
Lumber.....	1, 190			23, 800		40	(1)
Shingles.....	1, 146			40, 110		20	(1)
Wood, fuel.....	1, 455			11, 640		35	(1)
Unclassified: Empty gas drums.....		3	3	1, 136	1, 136	20	20
Total.....	9, 721	682	10, 403		262, 551		
Total upbound, and downbound.....	43, 829	4, 268	48, 097		1, 904, 937		

¹ Carried by owners.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, ex- cept wool and hair.....	31	\$10, 600	59	\$26, 100	90	\$36, 700
Vegetable food products.....	802	83, 011	610	65, 915	1, 412	148, 926
Other vegetable products.....			130	6, 390	130	6, 390
Textiles.....	131	157, 200	46	25, 760	177	182, 960
Wood and paper.....	4, 073	45, 914	9, 555	137, 250	13, 628	183, 164
Nonmetallic minerals.....	494	9, 877			494	9, 877
Machinery and vehicles.....	123	27, 600			123	27, 600
Chemicals.....	31, 992	1, 307, 800			31, 992	1, 307, 800
Unclassified.....	48	384	3	1, 136	51	1, 520
Total.....	37, 694	1, 642, 386	10, 403	262, 551	48, 097	1, 904, 937

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamships.....	6	8,821
Steamboats.....	4	140
Gasoline.....	8	82
Schooners.....	1	1,284
Total.....	19	10,327

BLACK RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	61,311	()	()	1906.....	57,053	\$1,186,324	()
1891.....	79,424	()	()	1907.....	47,205	1,028,294	()
1892.....	56,051	()	()	1908.....	45,998	958,409	()
1893.....	45,003	()	()	1909.....	48,061	979,609	()
1894.....	41,130	()	()	1910.....	47,298	812,461	()
1895.....	63,262	()	()	1911.....	41,332	850,991	()
1896.....	69,033	()	()	1912.....	52,552	678,459	()
1897.....	31,144	()	()	1913.....	41,065	466,399	()
1898.....	38,139	()	()	1914.....	20,178	320,798	800
1899.....	48,533	()	()	1915.....	22,534	312,255	175
1900.....	58,087	()	()	1916.....	22,241	315,772	125
1901.....	61,069	()	()	1917.....	21,681	471,091	579
1902.....	72,224	()	()	1918.....	14,288	42,983	400
1903.....	74,123	()	()	1919.....	12,014	437,779	()
1904.....	72,677	\$1,223,759	()	1920.....	3,135	254,850	250
1905.....	68,635	1,399,390	()				

() No statistics available.

[Navigation season: Entire year over the lower 24 miles; navigable only during freshet stages above that point.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.							
Animals and animal products, except wool and hair.....			30		\$11,400	Miles. Cents.	
Fish, fresh.....		4		\$1,000		24	12
Fish, salt.....		26		10,400		24	12
Vegetable food products.....			813		77,525		
Cottonseed meal.....		105		5,775		24	12
Grain.....		437		28,405		24	12
Groceries.....		72		36,000		24	12
Hay.....		145		4,640		24	12
Potatoes, Irish.....		7		700		24	12
Potatoes, sweet.....		5		325		24	12
Soft drinks.....		42		1,680		24	12
Textiles: Dry goods.....		34	34	68,000	68,000	24	12
Wood and paper.....			12		2,385		
Furniture.....		9		2,250		24	12
Shingles.....		3		135		24	12
Nonmetallic minerals.....			124		3,210		
Brick.....		50		450		24	12
Cement.....		5		100		24	12
Kerosene.....		64		2,580		24	12
Lime.....		5		100		24	12

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
UNBOUND—continued.							
Ores, metals and manufac- tures, except machinery and vehicles: Hardware.		1	1	\$350	\$350	Miles. 24	Cents. 12
Machinery and vehicles:							
Machinery.....		105	105	21,000	21,000	24	12
Chemicals.....			148		8,860		
Fertilizer.....		97		6,790		24	12
Fertilizer material.....		35		1,750		24	12
Salt.....		16		820		24	12
Unclassified: Ice.....		11	11	88	88	24	12
Total.....		1,278	1,278		192,818		
DOWNBOUND.							
Animals and animal prod- ucts, except wool and hair:			77		35,200		
Cattle.....		9		2,700		24	16
Eggs.....		46		25,000		24	16
Hogs.....		15		6,000		24	16
Poultry.....		7		3,500		24	16
Vegetable food products:			91		7,010		
Cotton seed.....		1		70		24	16
Grain.....		72		4,680		24	16
Potatoes, Irish.....		3		200		24	16
Peanuts.....		9		1,800		24	16
Vegetables.....		4		200		24	16
Watermelons.....		2		60		24	16
Other vegetable products, except fibers and wood:			35		1,430		
Rosin.....		1		50		24	16
Tar.....		25		750		24	16
Turpentine, crude.....		9		630		24	16
Textiles: Cotton.....		6	6	2,400	2,400	24	16
Wood and paper:			1,648		15,992		
Empty oil barrels.....		4		200		24	16
Lumber, sawed.....	220			4,400		24	16
Logs, rafted.....	1,200			9,600		24	16
Wood, fuel.....	224			1,792		24	16
Total.....	1,644	213	1,857		62,032		
Total up and down bound.....	1,644	1,491	3,135		254,850		

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	30	\$11,400	77	\$35,200	107	\$46,600
Vegetable food products.....	813	77,525	91	7,010	904	84,535
Other vegetable products.....			35	1,430	35	1,430
Textiles.....	34	68,000	6	2,400	40	70,400
Wood and paper.....	12	2,385	1,648	15,992	1,660	18,377
Nonmetallic minerals.....	124	3,210			124	3,210
Ores, metals, etc.....	1	350			1	350
Machinery and vehicles.....	105	21,000			105	21,000
Chemicals.....	148	8,860			148	8,860
Unclassified.....	11	88			11	88
Total.....	1,278	192,818	1,857	62,032	3,135	254,850

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	4	64
Gasoline.....	2	12
Total.....	6	76

Number of passengers transported during the year, about 300.

SHALLOTTE RIVER, N. C.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1908.....	4, 190	\$227, 569	1917.....	3, 393	\$360, 644
1913.....	8, 001	267, 609	1918.....	3, 216	448, 137
1914.....	3, 901	132, 780	1919.....	9, 920	630, 416
1915.....	6, 290	308, 762	1920.....	4, 020	532, 769
1916.....	3, 517	268, 385			

[Navigation season, entire year.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons by commodi- ties (pack- age).	Amount in short tons by classes.	Value.		Average haul.
			By com- modities.	By classes.	
RECEIPTS.					
Vegetable food products, oil seeds, expressed oils, and beverages.....		863		\$256, 130	Miles.
Cottonseed hulls.....	1		\$30		9
Cottonseed meal.....	22		1, 225		9
Grain.....	246		16, 995		9
Groceries.....	468		234, 000		9
Hay.....	110		3, 520		9
Potatoes, Irish.....	10		120		9
Soft drinks.....	6		240		9
Textiles: Dry goods.....	17	17	34, 000	34, 000	9
Wood and paper.....		77		3, 725	9
Empty oil barrels.....	50		2, 500		9
Furniture.....	2		500		9
Lumber.....	20		500		9
Shingles.....	5		225		9
Nonmetallic minerals.....		353		18, 873	9
Brick.....	33		269		9
Cement.....	17		34		9
Gasoline.....	221		15, 470		9
Kerosene.....	73		2, 920		9
Lime.....	9		180		9
Ores, metals and manufactures, except machinery and vehicles: Hardware.....	33	33	11, 550	11, 550	9
Machinery and vehicles: Machinery.....	4	4	800	800	9
Chemicals.....		869		54, 640	9
Fertilizer.....	712		49, 840		9
Fertilizer material.....	62		3, 100		9
Salt.....	85		1, 700		9
Total.....	2, 206	2, 206		379, 718	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodi- ties(pack- age).	Amount in short tons by classes.	Value.		Average haul.
			By com- modities.	By classes.	
SHIPMENTS.					
Animals and animal products, except wool and hair.		111		\$31,401	<i>Miles.</i>
Clams.....	49		\$2,450		9
Eggs.....	17		8,500		9
Fish, salt.....	41		16,400		9
Oysters.....	1		25		9
Poultry.....	3		4,028		9
Vegetable food products, oil seeds, expressed oils, and beverages.....		100		9,900	
Cotton seed.....	32		2,240		9
Peanuts.....	16		4,000		9
Potatoes, Irish.....	8		800		9
Potatoes, sweet.....	44		2,860		9
Other vegetable products, except fibers and wood.....		600		30,330	
Rosin.....	226		10,170		9
Turpentine, spirits.....	90		9,000		9
Turpentine, crude.....	66		4,620		9
Tar.....	218		6,540		9
Textiles: Cotton.....	81	81	30,800	30,800	9
Wood and paper.....		846		26,300	
Empty oil barrels.....	46		2,300		9
Lumber.....	800		24,000		9
Unclassified: Empty gasoline drums.....	76	76	24,320	24,320	9
Total.....	1,814	1,814		153,051	
Total receipts and shipments.....	4,020	4,020		532,769	

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			111	\$31,401	111	\$31,401
Vegetable food products.....	863	\$256,130	100	9,900	963	266,030
Other vegetable products.....			600	30,330	600	30,330
Textiles.....	17	34,000	81	30,800	98	64,800
Wood and paper.....	77	3,725	846	26,300	923	30,025
Nonmetallic minerals.....	353	18,873			353	18,873
Ores, metals, etc.....	33	11,550			33	11,550
Machinery and vehicles.....	4	800			4	800
Chemicals.....	859	54,640			859	54,640
Unclassified.....			76	24,320	76	24,320
Total.....	2,206	379,718	1,814	153,051	4,020	532,769

CHARLESTON S. C., DISTRICT.

WINYAH BAY, S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896.....	(¹)	\$12,900,453	(*)	1909.....	337,319	\$5,169,464	(*)
1897.....	(¹)	\$10,201,516	(*)	1910.....	314,547	5,127,260	(*)
1898.....	(¹)	\$9,863,658	(*)	1911.....	314,503	5,322,599	(*)
1899.....	120,587	6,337,853	(*)	1912.....	309,673	5,000,901	(*)
1900.....	129,639	6,749,433	(*)	1913.....	211,055	4,849,083	(*)
1901.....	247,989	8,457,406	(*)	1914.....	175,282	4,146,954	(*)
1902.....	387,471	9,310,682	(*)	1915.....	183,746	4,900,821	41
1903.....	368,502	9,359,381	(*)	1916.....	315,026	7,522,688	92
1904.....	369,774	9,546,443	(*)	1917.....	293,142	10,659,285	51
1905.....	363,916	10,401,879	(*)	1918.....	205,070	7,813,228	.....
1906.....	392,770	10,139,751	(*)	1919.....	115,325	6,296,973	.....
1907.....	382,915	9,432,375	(*)	1920.....	45,835	2,149,986	* 5,557
1908.....	283,470	8,078,383	(*)				

¹ Tonnage corresponding to values given is unknown.² Figures of Collector of Port.³ No statistics.⁴ Exclusive of 66,000 passengers carried by ferry.

Figures 1899-1915, inclusive, probably do not include through traffic, but this is uncertain.

Figures 1916-1920, inclusive, are for commerce "over the docks" and do not include through traffic.

Figures for 1899-1904, inclusive, 1907, and 1918 appear to contain some rough approximations.

[Navigation season, entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Rough kiln-dried pine boards.....	401.3	401.3	\$13,392	\$13,392

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair:						Miles.	Cents.
Fish, fresh	400		400	\$64,000	\$64,000	370	1.1
Vegetable food products, oil seeds, expressed oils, and beverages			502		40,800		
Flour		93		16,550		370	1
Grain		373		18,370		370	.7
Rice, cleaned		27		3,780		370	.7
Sugar		3		1,500		370	.7
Vegetables		6		600		370	1.5
Wood and paper: Furniture		8	8	16,000	16,000	370	1
Nonmetallic minerals			98		10,780		
Gasoline		5		320		370	1
Oil lubricating		93		10,460		370	1
Machinery and vehicles:							
Machinery		11	11	2,200	2,200	370	1

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE—CON.							
Chemicals.....			2, 476		\$95, 190	Miles.	Cents.
Fertilizer.....	2, 322			\$92, 880		170	.7
Salt.....	154			2, 310		170	.7
Unclassified.....			759		148, 600		
Canned goods.....		121		24, 200		170	5.7
Dry goods.....		7		7, 000		170	1
Groceries.....		33		12, 900		170	.7
Hardware.....		296		59, 200		170	1
Miscellaneous.....		302		45, 300		170	1
Total.....	400	3, 854	4, 254		377, 570		
SHIPMENTS, COASTWISE.							
Wood and paper: Lumber.....	7, 554		7, 554	238, 457	238, 457	370	.7
RECEIPTS, INTERNAL.							
Animals and animal prod- ucts, except wool and hair.....			125. 20		13, 993		
Horses.....	16. 50			4, 950		60	11. 1
Oysters.....	68. 80			55		60	3
Oysters, canned.....		37. 50		8, 253		60	40
Poultry.....	. 15			60		40	11. 1
Hogs.....	2. 25			675		21	11. 1
Vegetable food products, oil seeds, expressed oils and beverages.....			1, 326. 01		58, 021		
Grain.....		965. 18		48, 710		36	12. 5
Hay.....		341. 92		7, 380		45	40
Soft drinks.....		9. 41		791		46	54. 1
Peanuts.....		9. 50		1, 140		40	6. 7
Textiles: Upland cotton.....		424. 50	424. 50	341, 600	341, 600	52	10
Wood and paper.....			5, 537. 50		162, 135		
Lumber.....	535			2, 075		33	3. 6
Shingles.....		2. 50		60		10	40
Timber.....	5, 000			160, 000		10	1
Nonmetallic minerals.....			1, 213. 41		15, 533		
Coal.....	37. 96			690		22	2. 6
Gasoline.....		122. 20		8, 219		20	19. 1
Kerosene.....		77. 31		2, 998		36	19. 1
Lime.....		42. 50		1, 300		36	20
Brick.....	876. 25			1, 219		44	4. 1
Cement.....		57. 19		1, 107		46	2. 3
Machinery and vehicles:							
Machinery.....		54. 90	54. 90	11, 300	11, 300	21	7
Chemicals.....			3, 560. 18		83, 235		
Fertilizer.....		3, 536. 68		82, 766		31	2. 3
Sulphate of potash.....		23. 50		470		45	2. 3
Unclassified: Miscellaneous.....		6, 174. 50	6, 174. 50	426, 552	426, 552	19	12. 75
Total.....	6, 536. 91	11, 879. 29	18, 416. 20		1, 112, 369		
SHIPMENTS, INTERNAL.							
Animals and animal prod- ucts, except wool and hair.....			34. 91		7, 413		
Poultry.....	1			300		60	11. 1
Cattle.....	12. 50			1, 500		50	11. 1
Clams.....	3. 11			78		60	3
Eggs.....		4		960		60	15
Fish, fresh.....	3			85		60	11. 5
Hogs.....	11. 30			4, 490		29	11. 1
Vegetable food products, oilseeds, expressed oils and beverages.....			1, 661. 38		121, 432		
Watermelons.....	12. 50			250		33	15
Cottonseed, hull and meal.....		849. 88		27, 375		33	6. 7
Peanuts.....		13. 75		1, 650		60	6. 7
Potatoes.....		606. 15		84, 437		22	5. 4
Rice, rough.....		61. 95		3, 100		33	14. 4
Vegetables.....		62. 15		3, 370		30	13. 9
Hay.....		56		1, 250		19	40

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL—CON.						<i>Miles.</i>	<i>Cents.</i>
Other vegetable products, except fibers and wood.....			40		\$6,450		
Rosin.....	26			\$2,960		40	19.1
Turpentine, spirits.....	14			3,500		40	19.1
Textiles: Cotton, upland.....		22.50	22.50	6,316	6,316	23	10
Wood and paper.....			3,307.50		43,285		
Cross-ties.....	502.50			2,235		50	3.6
Lumber.....	1,145.50			28,530		29	3.6
Shingles.....		114.50		5,660		50	40
Wood.....	1,545			6,860		41	5
Total.....	3,236.41	1,829.88	5,066.29		184,896		
RECEIPTS, LOCAL.							
Animals and animal products, except wool and hair: Fish, fresh.....	10		10	4,000	4,000	15	11.5
Wood and paper.....			8,110		150,602		
Lumber.....	2,319			64,925		10	3.6
Wood.....	450			1,950		18	5
Timber ¹	5,341			83,727		15	1
Total.....	8,120		8,120		154,602		
SHIPMENTS, LOCAL.							
Animals and animal products, except wool and hair: Fish, fresh.....	85		85	12,000	12,000	2	11.5
Vegetable food products, oil seeds, expressed oils and beverages.....			199.03		12,125		
Rice, rough.....		1.05		2,188		20	14.4
Cottonseed, hull and meal.....		78.40		3,500		2	6.7
Grain.....		96		4,737		20	12
Hay.....		16.80		750		20	40
Peanuts.....		1.88		210		22	6.7
Potatoes.....		1.20		140		20	5.4
Soft drinks.....		3.70		600		20	54.1
Wood and paper: Lumber.....	1,257.50		1,257.50	25,360	25,360	15	3.6
Nonmetallic minerals.....			23.25		764		
Brick.....	11.25			150		2	4.1
Kerosene.....	11			577		20	19.1
Lime.....		1		37		20	20
Chemicals.....			397		14,130		
Fertilizer.....		392		14,000		2	2.3
Salt.....		5		130		20	2.3
Unclassified: Miscellaneous.....		61.90	61.90	4,320	4,320	13	12.75
Total.....	1,364.75	658.93	2,023.68		68,699		

¹ "Floating timber."

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			400	\$64,000	255.11	\$37,406	655.11	\$101,406
Vegetable food products, oil seeds, expressed oils and beverages.....			502	40,800	3,186.42	191,578	3,688.42	232,378
Other vegetable products, except fibers and wood.....					40.00	6,450	40.00	6,450
Textiles.....					447.00	347,916	447.00	347,916
Wood and paper.....	401.3	\$13,392	7,562	254,457	18,212.50	381,382	26,175.80	649,231
Nonmetallic minerals.....			98	10,780	1,236.66	16,297	1,334.66	27,077
Machinery and vehicles.....			11	2,200	54.90	11,300	65.90	13,500
Chemicals.....			2,476	95,190	3,957.18	97,365	6,433.18	192,555
Unclassified.....			759	148,600	6,236.40	430,872	6,995.40	579,472
Total.....	401.3	13,392	11,908	616,027	33,626.17	1,520,566	45,835.47	2,149,985

General ferry, short tons, 5,000 (approximate).

Vessel classification, 1920.

Class.	American ships.	Foreign ships.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers—Foreign.....	1		1	1,251	
Sailing—					
Foreign, in.....		1	1	223	
Foreign, out.....		1	1	223	
Unregistered:					
Steamers—					
Coastwise, in.....	10		10	13,145	
Coastwise, out.....	11		11	14,396	
Sailing—					
Coastwise, in.....	3		3	1,619	
Coastwise, out.....	3		3	1,619	
Barges—					
Coastwise, in.....	3		3	2,530	
Coastwise, out.....	3		3	2,530	
Small boats.....	1,102		1,102	13,060	5,557
Total steamers.....	22		22	28,792	
Total sailing.....	6	2	8	3,694	
Total small boats.....	1,102		1,102	13,060	5,557
Ferry.....					66,000

WACCAMAW RIVER, N. C. AND S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896.....	203,388	\$2,314,175	(1)	1909.....	111,096	\$1,431,121	(1)
1897.....	241,300	2,406,390	(1)	1910.....	135,229	1,115,395	(1)
1898.....	258,191	2,666,280	(1)	1911.....	107,811	1,621,653	(1)
1899.....	376,822	3,135,214	(1)	1912.....	76,942	1,528,814	(1)
1900.....	467,887	3,481,072	(1)	1913.....	85,287	1,950,406	(1)
1901 ¹	302,655	3,835,700	(1)	1914.....	49,736	1,165,481	(1)
1902.....	141,686	1,844,019	(1)	1915.....	83,649	1,203,570	18,170
1903 ¹	143,813	1,884,700	(1)	1916.....	82,178	1,264,365	18,056
1904.....	190,435	2,119,940	(1)	1917.....	74,617	2,632,066	17,157
1905.....	207,630	2,665,917	(1)	1918.....	76,473	4,025,421	16,588
1906 ¹	244,920	3,720,000	(1)	1919.....	65,431	3,861,695	(1)
1907.....	285,135	4,050,550	(1)	1920.....	20,895	674,898	1,567
1908.....	93,743	3,258,677	(1)				

¹ No record.

² Figures appear to contain some rough approximations.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair.			22.16		\$3,083	Miles.	Cents.
Poultry.....	1			\$300		60	11.1
Cattle.....	9.75			1,170		60	11.1
Clams.....	3.11			78		60	3
Eggs.....		4		960		60	15
Fish, fresh.....	3			85		60	11.5
Hogs.....	1.30			490		60	11.1
Vegetable food products, oil seeds, expressed oils, and beverages.			604.64		74,530		
Watermelons.....	2.50			50		60	15
Cottonseed hull and meal.....		180.44		3,965		60	6.7
Peanuts.....		13.75		1,650		60	6.7
Potatoes.....		445.15		66,945		24	5.4
Rice, rough.....		1.95		100		60	14.4
Vegetables.....		50.85		1,870		48	13.9
Textiles: Cotton, upland.....		14.25	14.25	3,616	3,616	15	10
Wood and paper.....			3,661.50		73,860		
Crossties.....	67.50			495		60	3.6
Lumber.....	894			20,450		18	3.6
Shingles.....		100		4,000		60	40
Wood.....	65			280		60	5
Timber ¹	2,535			48,655		40	1
Total.....	3,562.16	810.39	4,392.55		155,139		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair.			122.80		13,255		
Horses.....	16.50			4,950		60	11.1
Oysters.....	68.80			55		60	3
Oysters, canned.....		37.50		8,250		60	40
Vegetable food products, oil seeds, expressed oils, and beverages.			600.24		23,565		
Grain.....		412.40		18,765		47	12
Hay.....		183.68		4,510		48	40
Soft drinks.....		4.16		290		60	54.1
Textiles: Cotton, upland.....		113.75	113.75	93,000	93,000	60	10
Wood and paper.....			9,897.50		98,850		
Lumber.....	510			8,673		60	3.6
Shingles.....		2.50		60		10	40
Timber ¹	9,385			90,117		10	1
Nonmetallic minerals.....			800.32		8,161		
Lime.....		3.50		140		60	20
Brick.....	681.75			4,091		50	4.1
Cement.....		29.19		592		54	2.3
Coal.....	32.12			550		45	2.6
Gasoline.....		23.20		1,594		15	19.1
Kerosene.....		30.56		1,194		45	19.1
Machinery and vehicles:							
Machinery.....		14.54	14.54	3,500	3,500	15	7
Chemicals.....			1,912.20		22,005		
Fertilizer.....		1,909.70		21,955		54	2.3
Salt.....		2.50		50		60	2.3
Unclassified: Miscellaneous.....		3,041.50	3,041.50	257,423	257,423	12	12.75
Total.....	10,694.17	5,808.68	16,502.85		619,759.00		

¹ "Floating timber."

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	144.96	\$16,338
Vegetable food products, oil seeds, expressed oils, and beverages.....	1,294.88	98,145
Textiles.....	128	96,616
Wood and paper.....	13,559	172,710
Nonmetallic minerals.....	800.32	8,161
Machinery and vehicles.....	14.54	3,500
Chemicals.....	1,912.2	22,005
Unclassified.....	3,041.5	257,423
Total.....	20,895.40	674,896

Vessel classification, 1920.

Class.	No.	Net registered tonnage.	Passengers.
Launches and small boats.....	1,102	13,050	5,167

GREAT PEEDEE RIVER, S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1896.....	229,964	\$1,325,250	1909.....	66,785	\$1,502,695
1897.....	114,177	1,167,914	1910.....	46,235	1,059,150
1898.....	75,280	1,228,885	1911.....	31,396	1,062,415
1899.....	134,072	1,692,709	1912.....	20,094	893,341
1900.....	154,727	2,645,560	1913.....	13,945	804,529
1901.....	188,912	2,811,080	1914.....	17,461	587,673
1902.....	152,008	1,328,970	1915.....	15,758	446,956
1903.....	153,014	1,338,759	1916.....	12,049	372,248
1904.....	162,566	1,507,181	1917.....	12,702	1,212,498
1905.....	148,869	1,618,551	1918.....	36,337	339,543
1906.....	175,250	1,751,475	1919.....	17,236	128,687
1907.....	229,898	1,967,388	1920 ¹	(1)	(1)
1908.....	48,690	1,559,543			

¹ No commerce of record for 1920.

SANTEE RIVER AND ESTHERVILLE-MINIM CREEK CANAL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1896.....	134,135	\$2,204,000	1909.....	79,502	\$164,360
1897.....	134,206	2,159,940	1910.....	71,367	927,547
1898.....	112,205	2,203,000	1911.....	62,293	1,001,344
1899.....	154,327	2,679,100	1912.....	95,281	520,936
1900.....	179,090	2,622,200	1913.....	73,557	749,747
1901.....	204,375	1,809,000	1914.....	55,642	1,004,615
1902.....	215,600	1,882,500	1915.....	25,376	770,902
1903.....	220,900	1,840,000	1916.....	27,128	397,161
1904.....	242,800	1,662,500	1917.....	30,560	443,575
1905.....	329,350	1,485,000	1918.....	18,274	179,051
1906.....	427,300	1,830,000	1919.....	6,373	117,090
1907.....	474,750	1,735,000	1920.....	1,831	34,982
1908.....	70,590	1,172,169			

Number of passengers carried in 1920, 250. No statistics for prior years.

Commerce between Georgetown and points on the inland waterway passes also through the Estherville-Minim Creek Canal, and should be credited to it. For 1920 this was done. For previous years it is not certain.

Figures for 1908 and earlier appear to contain some rough approximations.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Hogs.....	5		5	\$2,000	\$2,000	Miles. 19	Cents. 11.1
Vegetable food products, oil seeds, expressed oils, and beverages.....			75.72		2,845		
Cottonseed hulls and meal.....		6.72		120		19	6.7
Hay.....		28		625		19	40
Potatoes.....		6		500		19	5.4
Rice.....		30		1,500		19	14.4
Watermelons.....	5			100		19	15
Textiles: Cotton, upland.....		5	5	2,050	2,050	35	10
Total.....	10	75.72	85.72		6,895		
SHIPMENTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages: Grain.....		22.40	22.40	1,275	1,275	27	12
Wood and paper: Lumber.....	12.5		12.5	200	200	19	3.6
Nonmetallic minerals.....			20.14		1,083		
Gasoline.....		11		750		9	19.1
Kerosene.....		8.14		308		32	19.1
Lime.....		1		25		4	20
Machinery and vehicles:							
Machinery.....		3.36	3.36	1,200	1,200	8	7
Chemicals.....			72.20		2,500		
Fertilizer.....		67.20		2,400		10	2.3
Salt.....		5		100		40	2.3
Unclassified: Miscellaneous.....		1,614.75	1,614.75	21,829	21,829	40	12.75
Total.....	12.5	1,732.85	1,745.35		28,087		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	5	\$2,000
Vegetable food products, oil seeds, expressed oils, and beverages.....	98.12	4,120
Textiles.....	5	2,050
Wood and paper.....	12.50	200
Nonmetallic minerals.....	20.14	1,083
Machinery and vehicles.....	3.36	1,200
Chemicals.....	72.20	2,500
Unclassified.....	1,614.75	21,829
Total.....	1,831.07	34,982

Vessel classification, 1920.

Class.	No.	Net registered tonnage.	Passengers.
Launches and small boats.....	179	1,715	250

CONGAREE RIVER, S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1896.....	18,307	\$178,900	1909.....	26,354	\$331,214
1897.....	40,857	110,100	1910.....	9,688	790,414
1898.....	81,362	201,700	1911.....	19,044	887,496
1899.....	88,696	191,700	1912.....	4,307	335,825
1900.....	121,363	197,000	1913.....	3,631	532,558
1901.....	14,583	70,000	1914.....	6,077	624,955
1902.....	58,075	123,500	1915.....	4,324	656,560
1903.....	114,310	271,400	1916.....	5,364	498,018
1904.....	43,035	93,900	1917.....	3,340	268,755
1905.....	34,350	252,000	1918.....	2,308	133,284
1906.....	35,522	821,100	1919 ¹		
1907.....	73,833	1,234,458	1920 ¹		
1908.....	22,122	506,994			

¹ No commerce of record for 1919 and 1920.

WATERWAY BETWEEN CHARLESTON AND WINYAH BAY, S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1903.....	33,344	\$579,520	(1)	1912.....	42,136	\$1,440,710	(1)
1904.....	39,064	573,770	(1)	1913.....	54,259	1,551,688	(1)
1905.....	58,421	608,761	(1)	1914.....	25,667	829,859	(1)
1906.....	49,440	797,747	(1)	1915.....	10,818	425,307	(1)
1907.....	36,230	921,675	(1)	1916.....	15,765	466,462	(1)
1908.....	32,388	1,146,240	(1)	1917.....	23,781	641,161	1,023
1909.....	39,348	1,164,637	(1)	1918.....	17,419	633,035	150
1910.....	36,441	1,165,161	(1)	1919.....	7,597	247,507	140
1911.....	44,267	924,876	(1)	1920.....	9,821	393,242	275

¹ No record.

The project for improvement from McClellanville to Georgetown was not adopted until 1919, though in previous years there was some commerce over this route.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair			8.65		\$1,700	Miles.	Cents.
Cattle.....	0.75			900		20	11.1
Hogs.....	2.40			400		40	11.1
Oysters, canned.....		5		1,100		60	40
Poultry.....	.25			50		60	11.1
Eggs.....		.25		60			15
Vegetable food products, oil seeds, expressed oils and beverages			213.50		7,830		
Cottonseed hulls and meal.....		100		1,800		60	6.7
Peanuts.....		75		3,000		25	6.7
Vegetables.....		37.50		3,000		25	13.9
Watermelons.....		1		30		20	15
Textiles.....			39.25		22,400		
Cotton, Sea Island.....		8		6,400		60	10
Cotton, upland.....		31.25		16,000		60	10
Wood and paper.....			95.5		2,040		
Lumber.....	87.50			2,000		25	3.6
Wood.....	8			40		15	5
Nonmetallic minerals: Lime.....		2	2	40	40	60	20
Chemicals: Fertilizer.....		2,068	2,068	91,000	91,000	8	2.3
Unclassified: Miscellaneous.....		3,250	3,250	171,000	171,000	46	12.75
Total.....	98.90	5,578	5,676.90		301,810		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair: Oysters.....	29.08		29.08	2,039	2,039	9	3
Vegetable food products, oil seeds, expressed oils and beverages.....			156.69		5,878		
Soft drinks.....		6.39		375		60	54.1
Cottonseed hulls and meal.....		11.20		450		60	6.7
Grain.....		58.10		3,105		58	12
Hay.....		28		500		60	40
Peanuts.....		5		400		19	6.7
Potatoes.....		48		1,048		10	5.4
Wood and paper: Lumber.....	528.75		528.75	16,092	16,092	21	36
Nonmetallic minerals.....			683.64		15,548		
Cement.....		69.24		1,830		44	2.3
Coal.....	483.82			5,280		23	2.6
Gasoline.....		74.14		5,675		58	19.1
Kerosene.....		66.44		2,763		60	19.1
Machinery and vehicles:							
Machinery.....		24.50	24.50	9,000	9,000	26	7
Chemicals: Salt.....		1,250	1,250	25,000	25,000	60	2.3
Unclassified: Miscellaneous.....		1,461.50	1,461.50	17,875	17,875	24	12.75
Total.....	1,041.65	3,102.51	4,144.16		91,432		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	37.73	\$3,739
Vegetable food products, oil seeds, expressed oils and beverages.....	370.19	13,708
Textiles.....	39.25	22,400
Wood and paper.....	624.25	18,182
Nonmetallic minerals.....	695.64	15,588
Machinery and vehicles.....	24.60	9,000
Chemicals.....	3,318.00	116,000
Unclassified.....	4,711.50	188,875
Total.....	9,821.06	393,242

Vessel classification, 1920.

Class.	No.	Net registered tonnage.	Passengers.
Launches and small boats.....	506	3,970	275

CHARLESTON HARBOR, S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896.....	1 3,317,497	(?)	(?)	1909.....	1 828,329	1 \$79,253,684	(?)
1897.....	1 1,015,140	(?)	(?)	1910.....	1 1,111,952	1 100,619,552	(?)
1898.....	1 997,158	(?)	(?)	1911.....	1 1,163,732	1 77,388,475	(?)
1899.....	1 1,018,366	(?)	(?)	1912.....	1 986,206	1 78,440,486	(?)
1900.....	1 992,661	(?)	(?)	1913.....	1 1,043,058	1 79,225,772	(?)
1901.....	1 962,132	1 \$32,187,115	(?)	1914.....	1 919,184	1 46,800,741	12,772
1902.....	1 966,010	1 37,384,478	(?)	1915.....	1 920,802	1 57,389,658	10,641
1903.....	1 872,841	1 50,921,062	(?)	1916.....	1 1,105,894	1 74,020,684	12,354
1904.....	1 1,130,372	1 53,208,224	(?)	1917.....	1 776,026	1 73,560,679	6,345
1905.....	1 1,102,490	1 55,169,691	(?)	1918.....	1 520,696	1 68,564,958	7,463
1906.....	1 835,360	1 56,301,096	(?)	1919.....	1 863,987	1 127,094,176	1 9,967
1907.....	1 722,338	1 56,138,444	(?)	1920.....	1 2,224,606	1 110,574,118	22,064
1908.....	1 651,232	1 61,444,244	(?)				

¹ Could not be checked; 1896 probably includes through commerce.

² No record.

³ Includes local and internal commerce through Wappoo Cut only.

⁴ Includes local and internal commerce through both Wappoo Cut and waterways north of Charleston.

⁵ Does not include local nor internal commerce.

⁶ Uncertain whether it includes local and internal commerce.

⁷ Does not include troops from overseas.

After 1901, figures are for commerce "over the docks," and do not include through traffic.

[Navigation season, from Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes of commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair: Other fish.	11	11	\$4,500	\$4,500
Vegetable food products.....		1,743		164,247
Cane sugar.....	448		104,918	
Oil cake.....	1,123		55,035	
Bananas.....	172		4,294	
Other vegetable products, except fibers and wood: Other seeds..	2	2	1,255	1,255
Textiles.....		4,000		90,572
Lace and lace articles.....	1		188	
Jute and jute butts.....	3,997		88,426	
Wool wearing apparel.....	1		733	
Flax, manufactures.....	1		1,225	
Wood and paper.....		2		444
Book and printed matter.....	1		181	
Furniture.....	1		263	
Nonmetallic minerals.....		44,313		273,658
Sulphur ore.....	19,904		62,443	
Crude mineral oil.....	23,255		202,466	
Salt.....	1,254		8,749	
Ores, metals, and manufactures, except machinery and vehicles.		195		55,747
All other leather.....	5		4,915	
Copper unrefined.....	190		50,832	
Machinery and vehicles.....		6		2,389
Agriculture implements.....	4		1,960	
Other machinery.....	2		429	
Chemicals.....		527,428		18,436,905
Dried blood.....	1,900		135,558	
Nitrate of soda.....	250,975		7,777,206	
Kainit.....	112,487		2,224,453	
Muriate salts.....	82,148		2,585,163	
Muriate of potash.....	17,730		1,917,222	
Guano.....	33,965		2,565,233	
Calcium cyanimid.....	26,535		1,195,137	
Potash sulphate.....	1,688		26,833	
Unclassified.....		10		9,419
United States returned articles.....	6		5,979	
Household personal effects.....	2		2,048	
Statuary, regalia.....	1		108	
Other dutiable articles not included above.....	1		1,284	
Total.....	577,710	577,710		19,039,136
EXPORTS.				
Vegetable food products: Wheat flour.....	70	70	12,470	12,470
Other vegetable products: Leaf tobacco.....	1,634	1,634	1,696,438	1,696,438
Textiles.....		16,155		12,030,361
Upland cotton.....	15,643		11,901,418	
Linters, cotton.....	433		65,943	
Sea Island cotton.....	77		61,600	
Other manufactures of cotton.....	2		1,400	
Wood and paper.....		4,448		46,836
Staves.....	3,826		21,700	
Short-leaf yellow pine.....	622		25,136	
Nonmetallic minerals.....		775,311		6,270,419
Bituminous coal.....	775,267		6,269,465	
Gasoline.....	6		606	
Coke.....	38		348	
Ores, metals, and manufactures, except machinery and vehicles.		1,518		98,967
Rails of steel.....	857		50,312	
Railroad spikes.....	67		4,248	
Galvanized sheet and plates.....	30		7,320	
Iron and steel, manufactures.....	397		28,178	
Railroad switches.....	165		7,814	
Implement and tool handles.....	2		1,095	
Machinery and vehicles: Printers' press and ink.....	12	12	22,942	22,942
Chemicals.....		3,504		141,281
Other fertilizers.....	2,755		97,486	
Superphosphates.....	749		43,775	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Unclassified.....		3		\$2,485
Household and personal effects.....	1		\$600	
Miscellaneous.....	2		1,885	
Total.....	802,855	802,855		20,322,179
Total imports and exports.....	1,380,565	1,380,565		39,361,315

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Vegetable food products, oil seeds, expressed oils and beverages.			1,587		\$154,190	Miles.	Cents.
Coffee		1,516		\$136,440		368	0.7
Syrup		71		17,750		363	1
Wood and paper: News-print paper.		459	459	137,440	137,440	363	.7
Nonmetallic minerals.			377,360		18,713,210		
Fuel oil.	226,416			3,618,810		363	1
Petroleum products.	150,944			15,094,400		368	1
Chemicals.			15,037		567,430		
Fish guano.		8,450		328,000		368	.7
Salt.		1,200		24,000		363	.7
Tankage.	5,387			215,430		368	.7
Unclassified: Canned goods.		2,765	2,765	553,100	553,100	368	.7
Total.	382,747	14,461	397,208		20,125,420		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair: Live stock.		3	3	1,200	1,200	363	3.1
Vegetable food products, oil seeds, expressed oils, and beverages.			766		146,200		
Flour.		140		21,000		368	.7
Rice.		626		125,200		363	.7
Textiles.			20,160		16,139,700		
Cotton piece goods.		12,926		10,470,060		368	.6
Cotton, Sea Island.		184		29,440		363	2
Cotton, upland.		7,050		5,640,200			
Wood and paper: Lumber.	494		494	13,000	13,000	363	1
Nonmetallic minerals.			105,474		3,926,653		
Clay.	360			6,480		363	1.1
Petroleum products.	105,114			3,920,173		363	1
Ores, metals and manufactures, except machinery and vehicles: Steel.	84		84	4,200	4,200	363	.6
Machinery and vehicles: Machinery.	3.5		3.5	3,500	3,500	363	1
Chemicals.			24,185		649,110		
Fertilizer material.		6,760		451,110		363	.7
Phosphate rock.		17,425		197,000		363	.6
Unclassified.			67,094		28,297,740		
Corrugated metal.	45			2,240		368	1
Miscellaneous.		67,049		28,295,500		368	1
Total.	106,100.50	112,163	218,363.50		49,180,303		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair			185.28		\$30,390	Miles.	Cents.
Poultry		.53		\$710		34	11.1
Cattle		5.50		820		19	11.1
Eggs		.25		60		60	15
Fish, fresh	1			200		2	11.5
Hogs		9.50		1,920		36	11.1
Oysters	1.50			180		70	3
Oysters, canned		167		26,500		36	40
Vegetable food products, oil seeds, expressed oils, and beverages			2,957.82		210,536		
Watermelons	228			5,300		15	15
Cottonseed, hulls and meal		169		5,700		35	6.7
Peanuts		128.75		7,250		39	6.7
Hay		7.85		140		2	40
Potatoes		1,471.70		150,994		42	5.4
Vegetables		952.52		50,692		23	13.9
Textiles: Cotton, Sea Island		30	30	40,000	40,000	42	10
Wood and paper			992.12		15,460		
Lumber	875.62			14,880		9	3.6
Shingles		.50		25		3	40
Wood	116			555		17	5
Nonmetallic minerals			3,677.80		25,117		
Coal	2.80			35		10	2.6
Brick	1,125			7,500		20	4.1
Sand	2,550			17,582		1	4.1
Unclassified: Miscellaneous		3,250	3,250	171,000	171,000	33	12.75
Total	4,915.95	6,177.07	11,093.02		492,503		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair			91.61		5,324		
Oysters	29.08			1,939		9	3
Cattle		59.25		2,675		7	11.1
Hogs		3		650		17	11.1
Poultry, all other		.28		60		3	11.1
Vegetable food products, oil seeds, expressed oils, and beverages			817.95		34,978		
Cottonseed, hull and meal		71.67		2,405		37	6.7
Grain		500.86		25,765		34	12
Hay		104.16		1,860		37	40
Peanuts		5.05		420		11	6.7
Potatoes		107.85		3,024		10	5.4
Soft drinks		28.36		1,504		36	54.1
Textiles			23.65		19,250		
Cotton, Sea Island		23.40		19,200		14	10
Cotton, upland		.25		50		3	10
Wood and paper			716.25		22,067		
Lumber	713.75			22,017		18	3.6
Shingles		2.50		50		20	40
Nonmetallic minerals			1,126.50		28,737		
Lime		11.10		268		43	20.6
Brick	236.50			4,925		23	4.1
Cement		124.48		2,450		6	2.3
Coal	507.34			5,592		8	2.6
Gasoline		150.94		11,461		57	19.1
Kerosene		96.14		4,041		25	19.1
Machinery and vehicles:							
Machinery		31.22	31.22	10,200	10,200	17	7
Chemicals			5,351.15		177,651		
Fertilizer	4,046.90			151,150		20	2.3
Salt	1,304.25			26,501		40	2.3
Unclassified: Miscellaneous		317.98	317.98	21,175	21,175	15	12.75
Total	1,549.20	6,927.11	8,476.31		319,382		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, LOCAL.							
Animals and animal products, except wool and hair.			35.24		\$8,841	Miles.	Cents.
Clams		7.96		\$597		2	3
Hogs		6.55		2,040		26	11.1
Oysters, canned		20.00		6,009		29	40
All other		8.73		140		1	11.1
Vegetable food products, oil seeds, expressed oils, and beverages			2,045.58		89,715		
Peanuts		1.88		150		8	6.7
Potatoes		137.75		12,125		15	5.4
Rice, rough		189.00		18,945		3	14.4
Vegetables		1,709.45		58,345		9	13.9
Watermelons		7.50		150		22	15
Textiles			79.60		34,975		
Cotton, Sea Island		.6		525		12	10
Cotton, upland		79.0		34,450		40	10
Wood and paper			17,751.50		225,599		
Cross-ties	150			1,000		3	3.6
Shingles		.50		15		8	40
Wood	6,243			23,726		13	5
Timber ¹	11,358			198,858		20	1
Nonmetallic minerals			29.32		413		
Coal	28			300		8	2.6
Gasoline	1.32			113		8	19.1
Total	17,787	2,164.24	19,941.24		357,543		
SHIPMENTS, LOCAL.							
Animals and animal products, except wool and hair.			511.63		33,005		
Poultry		.88		250		10	11.1
Oysters	500			30,000		3	3
Cattle		5.75		975		14	11.1
Eggs		1.60		330		8	15
Fish, fresh	1			200		1	11.5
All other		2.40		1,250		12	11
Vegetable food products, oil seeds, expressed oils, and beverages			2,024.59		164,085		
Soft drinks		18.30		990		22	54.1
Grain		84.66		6,990		21	12
Hay		278.80		5,805		22	40
Peanuts		5		650		10	6.7
Potatoes		1,330.03		71,275		12	5.4
Rice, rough		27		450		25	14.4
Cottonseed, hulls and meal		280.80		77,925		42	6.7
Textiles			38.50		41,350		
Cotton, Sea Island		30		37,500		10	10
Cotton, upland		8.50		3,850		13	10
Wood and paper			173,137		81,850		
Lumber	173,127			81,650		15	3.6
Shingles		10		200		3	45
Nonmetallic minerals			5,289.84		41,035		
Lime		2.30		50		33	20
Brick	105.75			4,070		26	4.1
Cement		2.24		38		15	2.3
Coal	145.60			2,200		8	2.6
Gasoline		4,667.21		18,096		3	19.1
Kerosene		366.74		16,581		8	19.1
Machinery and vehicles			11.20		500		
Machinery			11.20		500		7
Chemicals			1,642.51		68,027		
Fertilizer		1,640.56		67,975		9	2.3
Salt		1.95		52		13	2.3
Unclassified: Miscellaneous		6,404.38	6,404.28	307,800	307,800	12	7
Total	173,888.38	15,171.27	189,059.65		737,652		

¹ "Floating timber."

Freight traffic, 1920—Continued.
SUMMARY.

Classes of commodities.	Foreign.			Domestic.				Total.		
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	11	\$4,500								
Vegetable food products, oil seeds, expressed oils and beverages.....	1,743	164,247	70	\$12,470	3	\$1,200	823.76	\$77,560	12,011.94	976,421
Other vegetable products, except fibers, and wood.....	2	1,255	1,834	1,696,438						
Textiles.....	4,000	90,572	16,155	12,030,361	20,160	16,139,700	171.75	135,575	40,488.75	1,836
Wood and paper.....	2	444	4,448	46,836	953	150,440	192,586.87	342,976	197,999.87	28,396,208
Nonmetallic minerals.....	44,313	273,658	775,311	6,270,419	492,834	22,639,863	10,123.46	95,302	1,312,581.46	540,696
Ores, metals, and manufactures, except machinery and vehicles.....	195	55,747	1,518	98,967	84	4,200			1,797	29,279,242
Machinery and vehicles.....	6	2,389	12	22,942	3.5	3,500	42.42	10,700	63.92	158,914
Chemicals.....	527,428	18,436,905	3,504	141,261	39,222	1,215,580	6,993.66	245,678	577,147.66	39,531
Unclassified.....	10	9,419	3	2,465	69,859	28,850,840	9,972.36	498,975	79,844.36	20,039,434
Total.....	577,710	19,039,136	802,855	20,322,179	615,471.5	69,305,723	228,570.22	1,967,080	2,324,608.72	29,362,719
										110,574,118

General ferry, \$460,000 approximate value.

Vessel classification, 1920.

Class.	Ameri- can ships.	Foreign ships.	Total.	Net registered tonnage.	Pas- sengers.
Registered:					
Steamers—					
Foreign trade, in.....	130	79	209	535,197	.....
Foreign trade, out.....	123	58	181	370,832	.....
Sailing—					
Foreign trade, in.....	32	.....	32	42,857	.....
Foreign trade, out.....	35	1	36	46,108	.....
Unregistered:					
Steamers—					
Clyde line ¹	888	.....	888	2,373,022	2,040
Other coastwise, in.....	140	.....	140	331,333	.....
Other coastwise, out.....	167	.....	167	447,265	.....
Sailing—					
Coastwise, in.....	10	.....	10	11,288	.....
Coastwise, out.....	10	.....	10	9,216	.....
Unclassified steamers ².....	.....	.....	309	.....	.....
Small boats.....	5,982	.....	5,982	47,850	20,024

SUMMARY.

Total steamers.....	³ 1,448	³ 137	1,894	³ 4,057,649	2,040
Total sailing.....	87	1	88	109,469	.....
Total small boats.....	5,982	.....	5,982	47,850	20,024

¹ The Clyde Line runs a regular schedule of coastwise boats.² It is known that these steamers entered or left, but there is no data on their ownership or tonnage.³ These items in error on account of the "Unclassified" steamers.

ASHLEY RIVER, S. C.

Included in statistics for Charleston Harbor, S. C.

WAPPOO OUT, S. C.

Comparative statement of traffic.

Years.	Tons.	Value.	Passengers.	Years.	Tons.	Value.	Passengers.
1896.....	272,000	\$2,410,000	(¹)	1905.....	186,053	\$2,029,893	(¹)
1899.....	235,830	2,005,695	(¹)	1915.....	16,420	842,331	13,458
1900.....	158,849	2,531,899	(¹)	1916.....	22,583	767,442	15,390
1901.....	177,320	2,732,600	(¹)	1917.....	30,125	1,379,809	14,676
1902.....	143,165	2,637,481	(¹)	1918.....	38,968	2,282,601	29,802
1903.....	153,594	2,682,115	(¹)	1919.....	7,591	972,072	18,740
1904.....	200,712	2,639,560	(¹)	1920.....	9,304	455,754	16,324

¹ No record.

No record for missing years.

[Navigation season; entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPT, INTERNAL.							
Animals and animal products, except wool and hair.			325.13		\$34,487	Miles.	Cents.
Poultry		0.28		\$157		8	11.1
Cattle		4.75		730		8	11.1
Fish, fresh	1			200		2	11.5
Hogs		7.10		1,520		32	11.1
Oysters	150			9,380		70	3
Oysters, canned		162		22,500		12	40
Vegetable food products, oilseeds, expressed oils, and beverages.			2,539.12		207,476		
Watermelons	21.80			500		10	15
Cottonseed hulls and meal		69		3,900		10	6.7
Hay		7.85		140		2	40
Peanuts		53.75		4,250		54	6.7
Potatoes		1,471.70		150,994		42	5.4
Vegetables		915.02		47,692		22	13.9
Textiles			86.75		48,700		
Cotton, Sea Island		22		28,000		25	10
Cotton, upland		64.75		20,700		25	10
Wood and paper			109.12		560		
Lumber	.62			20		16	3.6
Shingles		.50		25		3	40
Wood	108			515		19	5
Nonmetallic minerals.			3,677.80		25,117		
Coal	2.80			35		10	2.6
Brick	1,125			7,500		20	4.1
Sand	2,550			17,582		1	4.1
Total	3,971.35	2,786.57	6,737.92		316,340		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair.			62.53		3,385		
Cattle		59.25		2,675		7	11.1
Clams	.12			15		3	3
Fish, fresh	.10			20		3	11.5
Hogs		3		650		17	11.1
Poultry		.06		25		3	11.1
Vegetable food products, oilseeds, expressed oils, and beverages.			661.26		29,664		
Soft drinks		21.97		1,129		12	54.1
Cottonseed hulls and meal		60.47		1,955		14	6.7
Grain		442.76		22,660		10	12
Hay		76.16		1,360		14	40
Peanuts		.05		20		3	6.7
Potatoes		59.85		1,940		18	5.4
Textiles			23.65		19,250		
Cotton, Sea Island		23.40		19,200		14	10
Cotton, upland		.25		50		3	10
Wood and paper			187.50		5,975		
Lumber	185			5,925		14	3.6
Shingles		2.50		50		20	40
Nonmetallic minerals.			390.11		10,789		
Lime		9.10		228		27	20
Brick	222.75			2,575		22	4.1
Cement		28.24		620		6	2.3
Coal	23.52			302		8	2.6
Gasoline		76.80		5,786		56	19.1
Kerosene		29.70		1,278		27	19.1
Machinery and vehicles:							
Machinery		6.72		1,200		10	7
Chemicals			1,033.15		61,651		
Fertilizer		978.90		60,150		20	2.3
Salt		54.25		1,501		19	2.3
Unclassified: Miscellaneous		200.84	200.84	8,100	8,100	19	12.75
Total	493.80	2,071.96	2,565.76		130,414		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	387.66	\$37,872
Vegetable food products, oil seeds, expressed oils, and beverages.....	3,200.38	236,540
Textiles.....	110.40	67,950
Wood and paper.....	296.62	6,535
Nonmetallic minerals.....	4,067.91	35,906
Machinery and vehicles.....	6.72	1,200
Chemicals.....	1,023.15	61,651
Unclassified.....	200.84	8,100
Total.....	9,303.68	455,754

Vessel classification, 1920.

Class.	No.	Net registered tonnage.	Passengers.
Launches and small boats.....	3,003	24,030	16,324

BLACK RIVER, S. C.

Comparative statement of traffic.

This river is not under improvement, and there is no record of commerce in past years.

STATISTICS FOR THE CALENDAR YEAR 1920.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Cattle.....		2.75	2.75	\$330	\$330	Miles. 40	Cents. 11.1
Vegetable food products, oil seeds, expressed oils, and beverages.....			815.30		41,162		
Cottonseed, hulls, and meal.....	656			23,170		36	6.7
Potatoes.....	148			16,492		25	5.4
Vegetables.....		11.30		1,500		12	13.9
Other vegetable products, except fibers and wood.....			40		6,450		
Rosin.....		26		2,950		40	19.1
Turpentine spirits.....		14		3,500		40	19.1
Wood and paper.....			1,789.50		18,080		
Crossties.....	43.50			1,740		40	3.6
Lumber.....	251.50			8,080		40	3.6
Shingles.....		14.50		1,660		40	40
Wood.....	1,480			6,600		23	5
Total.....	1,777.75	899.90	2,647.55		66,022		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Groups and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair.			2.40		\$759	Miles.	Cents.
Hogs.....		2.25		\$675		21	11.1
Poultry.....		.15		84		40	11.1
Vegetable food products, oil seeds, expressed oils, and beverages.....			680.97		31,906		
Grain.....		507.98		27,395		37	12
Hay.....		158.24		2,870		43	40
Peanuts.....		9.50		1,140		40	6.7
Soft drinks.....		5.25		501		33	54.1
Textiles: Cotton upland.....		310.75	310.75	248,600	248,600	43	10
Nonmetallic minerals.....			364.81		9,228		
Lime.....		37		1,110		40	20
Brick.....	184.50			1,150		38	4.1
Cement.....		28		515		38	2.3
Coal.....	7.84			140		40	2.6
Gasoline.....		77		5,125		36	19.1
Kerosene.....		30.47		1,188		37	19.1
Machinery and vehicles: Machinery.....		37	37	6,600	6,600	40	7
Chemicals.....			1,559.58		58,230		
Fertilizer.....		1,548.58		58,010		37	2.3
Salt.....		11		220		40	2.3
Unclassified: Miscellaneous.....		1,473.50	1,473.50	146,300	146,300	40	12.75
Total.....	194.74	4,234.27	4,429.01		501,623		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	5.15	\$1,089
Vegetable food products, oil seeds, expressed oils, and beverages.....	1,496.27	73,068
Other vegetable products, except fibers and wood.....	40.00	6,450
Textiles.....	310.75	2,496
Wood and paper.....	1,789.50	18,080
Nonmetallic minerals.....	364.81	9,228
Machinery and vehicles.....	37.00	6,600
Chemicals.....	1,559.58	58,230
Unclassified.....	1,473.50	146,300
Total.....	7,076.56	567,645

Vessel classification, 1920.

Class.	No.	Net registered tonnage.
Launches and small boats.....	172	1,710

SAVANNAH, GA., DISTRICT.

SAVANNAH HARBOR, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passen- gers.	Floated logs and lumber.		Freight in transit.		Other traffic across river.	
				Tons.	Value.	Tons.	Value.	Tons.	Value.
1895..	2,000,000	(1)							
1896..	1,850,056	\$147,000,000							
1897..	2,100,000	(1)							
1898..	1,500,000	(1)							
1899..	2,837,076	(1)							
1900..	2,804,061	57,428,217							
1901..	2,843,261	158,405,188							
1902..	3,232,909	175,271,911							
1903..	2,928,026	173,275,346							
1904..	3,230,346	193,820,760							
1905..	3,729,841	201,930,693							
1906..	3,801,049	194,836,773							
1907..	3,885,434	209,018,494							
1908..	3,899,361	167,941,267							
1909..	2,767,622	186,701,147							
1910..	2,920,060	224,512,440							
1911..	2,954,814	246,678,077							
1912..	3,120,676	296,444,106							
1913..	3,154,069	360,536,275							
1914..	2,478,535	349,193,325							
1915..	2,890,130	420,088,304	102,929	(1)		(1)			
1916..	2,748,898	383,225,968	137,375	(1)		(1)			
1917..	2,429,288	478,211,950	101,344	(1)		(1)			
1918..	1,540,057	479,235,230	112,058	(1)		(1)			
1919..	1,714,292	597,109,148	105,495	22,035	\$218,132	305,462	\$51,435,110	(1)	(1)
1920..	2,147,978	548,692,823	115,200	11,832	135,161	827,684	234,637,016	34,989	\$25,857,750

¹ No statistics available.

[Navigation season: Entire calendar year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages.....		165,345		\$38,829,788
Bananas.....	83		\$8,300	
Beans.....	15		4,500	
Flour.....	687		89,310	
Molasses.....	1,445		145,500	
Oranges.....	3,756		469,500	
Sugar.....	159,359		38,112,678	
Textiles: Cotton.....	72	72	47,880	47,880
Nonmetallic minerals.....		100,750		2,720,557
Oil.....	63,668		2,228,380	
Pyrites.....	31,930		349,330	
Salt.....	4,256		170,240	
Sand.....	896		2,607	
Chemicals.....		467,656		27,615,207
Blood, dried.....	2,189		142,155	
Fertilizer.....	41,228		1,855,260	
Fish guano.....	3,796		189,800	
Kainit.....	104,109		2,915,052	
Manure salts.....	26,419		1,981,425	
Potash.....	26,536		2,918,960	
Potash, nitrate of.....	17,247		1,897,170	
Potash salts.....	2,265		249,150	
Soda, nitrate of.....	224,611		14,599,715	
Tankage.....	19,256		866,520	
Unclassified.....		2,132		1,599,150
Pottery.....	1		150	
General merchandise.....	2,132		1,599,000	
Total.....		735,955		70,812,582

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages.....		99,742		\$11,104,475
Canned goods.....	2		\$179	
Cottonseed cake.....	57,212		3,556,035	
Flour.....	4,493		877,704	
Fruits and vegetables.....	1		32	
Grain.....	2		285	
Oil, cottonseed.....	4,108		621,683	
Peanut cake.....	77		5,520	
Sugar.....	33,847		6,043,037	
Other vegetable products, except fibers and wool.....		29,095		5,495,859
Rosin.....	22,062		2,483,498	
Turpentine.....	6,749		2,877,095	
Tobacco.....	284		135,266	
Textiles.....		212,550		156,792,046
Cotton.....	212,529		156,771,084	
Cotton factory products.....	14		20,275	
Palmetto leaves.....	7		687	
Wood and paper.....		39,778		1,738,253
Lumber.....	29,838		1,077,178	
Staves.....	8,427		456,857	
Wood products.....	1,513		204,218	
Nonmetallic minerals.....		180,613		1,705,210
Clay.....	71		972	
Coal.....	179,831		1,673,561	
Ocher.....	30		735	
Oil.....	661		17,271	
Paints and oils.....	20		12,671	
Ores, metals, and manufactures, except machinery and vehicles.....		31,102		1,791,517
Iron, pig.....	4,392		148,307	
Iron and steel.....	25,754		1,518,416	
Lead.....	5		1,159	
Spelter.....	951		123,635	
Machinery and vehicles.....		1,288		165,919
Automobiles and parts.....	48		63,319	
Machinery.....	1,240		102,600	
Chemicals: Phosphate rock.....	21,129	21,129	346,258	346,258
Unclassified: Miscellaneous.....	27,409	27,409	18,819,094	18,819,094
Total.....		642,706		197,958,631
Total exports and imports.....		1,378,661		268,771,213

Freight traffic was maintained during the entire calendar year 1920 between Savannah and ports of the United Kingdom and the continents of Europe and Asia, as well as Cuba, Mexico, and countries of South America.

Freight traffic, 1910—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products except wool and hair.....			8,751		\$11,171,702
Boots and shoes.....		3,850		\$9,625,000	
Fish scrap.....		701		35,050	
Oyster shell.....		1		12	
Packing house products.....		4,199		1,511,640	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			83,941		18,878,278
Canned goods.....		9,413		1,882,600	
Coffee.....		2,816		1,126,400	
Flour.....		2,100		273,000	
Fruit.....		1,572		270,975	
Grain.....		1,408		119,680	
Grain products.....		2,384		228,868	
Groceries.....		15,045		6,168,450	
Oil, vegetable.....		428		102,720	
Potatoes.....		752		60,160	
Sugar.....		9,656		1,931,200	
Vegetables.....		38,367		6,714,225	
Other vegetable products except fibers and wood.....			2,731		3,236,700
Tobacco.....		2,677		3,212,400	
Turpentine.....		54		24,300	
Textiles.....			18,042		16,208,750
Bagging.....		11,596		2,069,750	
Cotton products.....		2,755		4,959,000	
Dry goods.....		1,150		2,875,000	
Dry goods and clothing.....		2,541		6,285,000	
Wood and paper.....			11,087		1,099,350
Lumber (special).....		374		28,050	
Paper.....		10,713		1,071,300	
Nonmetallic minerals.....			40,312		1,353,806
Cement.....		40		800	
Coal.....	7,000			115,000	
Mine products.....		3,400		340,000	
Oil.....		17,026		574,555	
Sulphur.....	12,846			323,450	
Ores, metals, and manufactures, except ma- chinery and vehicles.....			16,917		2,540,638
Hardware.....		3,002		600,400	
Iron and steel.....	10,793			1,079,300	
Leather.....		359		172,300	
Rail.....	11			638	
Tin plate.....		2,752		688,000	
Machinery and vehicles.....			1,444		461,000
Machinery and vehicles.....		1,000		350,000	
Machinery.....		444		111,000	
Chemicals.....			105,046		3,042,243
Fertilizer.....		32,703		1,400,305	
Paints and oils.....		2,990		926,900	
Phosphate rock.....	69,353			715,038	
Unclassified.....			100,074		74,575,250
Arms and ammunitions.....		255		216,750	
Household goods and furniture.....		2,023		1,011,500	
General merchandise.....		97,796		73,347,000	
Total.....	100,003	288,342	388,345		132,567,716
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair.....			74		9,238
Meats.....		24		8,640	
Shell, oyster.....		50		598	
Vegetable food products, oil seeds, ex- pressed oils and beverages.....			9,412		1,709,930
Canned goods.....		807		252,100	
Cottonseed cake.....	2,864			143,200	
Flour.....	24			3,120	
Fruit.....	124			19,840	
Grain.....	101			8,585	
Oil.....	4,689			1,125,360	
Peanuts.....	678			135,600	
Sugar.....	10			2,000	
Vegetables.....	115			20,125	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Other vegetable products, except fibers and wood.....			62,517		\$8,449,365
Naval stores.....		2,267		\$578,085	
Rosin and rosin oil.....		49,523		2,971,390	
Tobacco.....		97		116,400	
Turpentine.....		10,630		4,783,500	
Textiles.....			118,317		108,677,700
Cotton.....		49,102		39,116,200	
Cotton factory products.....		54,509		32,801,600	
Dry goods.....		14,703		36,757,500	
Wool.....		3		2,400	
Wood and paper.....			9,675		174,067
Lumber.....	9,342			163,957	
Lumber products.....		333		10,110	
Nonmetallic minerals: Clay.....	14,204		14,204	170,448	170,448
Ores, metals, and manufactures, except machinery and vehicles.....			18,382		771,760
Iron and steel.....	599			56,900	
Pig iron.....	17,783			711,860	
Chemicals: Fertilizers.....		212	212	9,778	9,778
Unclassified: General merchandise.....		32,510	32,510	24,348,750	24,348,750
Total.....	41,928	223,375	265,303		144,321,036
Total receipts and shipments, coast- wise.....	141,931	511,717	653,648		276,888,752

Coastwise traffic extended throughout the entire calendar year 1920. Regular steamship lines are established between this port and New York, Boston, Philadelphia, Baltimore, and Jacksonville. During the calendar year they carried 653,648 short tons of freight, valued at \$276,888,752. They also handled in and out of Savannah 25,730 passengers.

LOCAL.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS.						
Animals and animal products, except wool and hair.....			3,457		\$395,515	Miles.
Fish.....		433		\$60,675		4
Oysters, canned.....		1,519		296,028		9
Oysters, raw.....		95		16,040		9
Oysters in shell.....	510			11,850		8
Oyster shell.....		900		10,922		4
Vegetable food products, oil seeds, expressed oils, and beverages.....			5,158		357,780	
Peas.....		3		480		3
Rice.....		40		7,000		3
Straw.....		15		300		3
Vegetables.....		5,100		350,000		9
Textiles: Cotton.....		6	6	2,500	2,500	9
Wood and paper.....			16,796		147,941	
Lumber.....	4,595			81,403		5
Lumber cross ties.....	1,500			25,605		4
Wood.....	10,701			40,933		7
Nonmetallic minerals.....			77,885		52,633	
Brick.....	304			2,025		4
Sand.....	77,581			50,608		5
Unclassified: General merchandise.....		1,025	1,025	98,500	98,500	4
Total.....	95,191	9,136	104,327		1,054,869	

Freight traffic, 1920—Continued.

LOCAL—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
SHIPMENTS.						
Animals and animal products, except wool and hair: Mules.....		2	2	\$500	\$500	Miles. 4
Vegetable food products, oil seeds, expressed oils, and beverages.....			5,663		1,308,885	4
Flour.....		5		400		4
Grain.....		31		2,495		4
Groceries.....		5,515		1,298,472		9
Hay.....		3		100		4
Hay and grain.....		100		6,000		4
Sugar.....		9		1,418		4
Other vegetable products, except fibers and wool: Tobacco.....		1	1	1,200	1,200	4
Textiles: Dry goods.....		474	474	614,000	614,000	9
Wood and paper: Wood.....	150		150	4,500	4,500	
Nonmetallic minerals.....			4,537		11,195	
Cement.....		2		80		4
Oil, illuminating.....		5		155		4
Oil, lubricating.....		4		600		4
Sand.....	4,170			8,132		4
Stone, crushed.....		356		2,228		4
Ores, metals, and manufactures, except machinery and vehicles.....			163		18,180	
Hardware.....		29		2,180		4
Tin cans.....		134		16,000		9
Machinery and vehicles.....			2		450	
Automobile.....		1		400		4
Wagon.....		1		50		4
Chemicals: Fertilizer.....		253	253	10,579	10,579	
Unclassified: General merchandise.....		97	97	8,500	8,500	8
Total.....	4,320	7,022	11,342		1,977,989	
Total receipts and shipments, local.....	99,511	16,158	115,669		3,032,858	

Local traffic consists of freight and passengers handled by numerous small steamers, schooners, launches, and smaller sailboats, plying between Savannah and adjacent ports along the waterways and rivers of the district. Floated logs not included. About 89,470 passengers were handled locally during the year.

CARGOES IN TRANSIT.

Classes and commodities.	Commodities.		Classes.	
	Amount in short tons.	Value.	Amount in short tons.	Value.
Animal and animal products, except wool and hair			3,657	\$1,596,940
Boots and shoes	85	\$212,500		
Meats	3,564	1,382,040		
Prawn	8	2,400		
Vegetable food products, oil seeds, expressed oils, and beverages			69,773	10,749,520
Canned goods	4,616	934,900		
Coconuts	22	2,200		
Corn	4,752	380,160		
Flour, wheat	2,684	348,920		
Fruits and vegetables	2,099	470,750		
Grain	550	44,000		
Hay and grain	3,978	338,130		
Oil, food	46	11,040		
Rum	560	784,000		
Rye	1,680	168,000		
Starch	206	24,720		
Sugar	25,839	5,137,800		
Wheat	22,141	2,104,900		

Freight traffic, 1920—Continued.

CARGOES IN TRANSIT—Continued.

Classes and commodities.	Commodities.		Classes.	
	Amount in short tons.	Value.	Amount in short tons.	Value.
Other vegetable products except fibers and wood.....			45,016	\$7,578,811
Naval stores.....	5,953	\$1,518,016		
Rosin.....	30,767	1,716,345		
Tobacco.....	816	979,200		
Turnip seed.....	15	6,000		
Turpentine.....	7,465	3,359,250		
Textiles.....			22,921	14,448,260
Bagging.....	136	20,400		
Cotton.....	22,424	13,581,960		
Cotton goods.....	10	18,000		
Dry goods.....	323	807,500		
Wool.....	28	20,400		
Wood and paper.....			39,052	1,735,045
Books and magazines.....	154	30,800		
Lumber, cedar.....	1,208	241,600		
Lumber, mahogany.....	2,242	448,400		
Lumber, pine.....	81,745	558,805		
Lumber, quebracho.....	1,120	224,000		
Paper.....	1,240	124,000		
Staves.....	1,343	107,440		
Nonmetallic minerals.....			39,520	1,465,481
Cement.....	207	4,400		
Clay.....	6,538	78,456		
Coal.....	11,828	118,280		
Coke.....	738	22,140		
Mine products.....	1,144	114,400		
Oil.....	19,065	1,127,805		
Ores, metals and manufactures, except machinery and vehicles.....			25,942	2,709,974
Copper ore.....	2,482	322,660		
Iron and steel.....	23,460	2,387,314		
Machinery and vehicles.....			315	114,500
Automobiles and parts.....	22	28,000		
Machinery.....	293	86,500		
Chemicals.....			329,474	5,346,065
Blood, dried.....	722	46,930		
Fertilizer.....	5,642	253,980		
Phosphate rock.....	304,642	3,776,560		
Potash, nitrate of.....	1,517	166,870		
Soda, nitrate of.....	16,951	1,101,815		
Unclassified: General merchandise.....	252,014	188,892,420	252,014	188,892,420
Total.....	827,684	234,637,016	827,684	234,637,016

The above table shows exclusively port-of-call commerce for the calendar year 1920. Besides the tonnage and value reported above, 9,852 passengers were handled through the port.

TRAFFIC ACROSS SAVANNAH RIVER.

Commodities.	Amount in short tons.	Value.	Passengers.
General merchandise.....	34,969	\$25,857,750	68,400

The above traffic consists exclusively of freight handled across Savannah River from the freight terminal of Seaboard Air Line Railroad on Hutchinson Island to their local freight depot in Savannah during the calendar year 1920. Approximately 68,400 passengers were ferried across the river to and from work during the year.

Freight traffic, 1920—Continued.
SUMMARY.

Classes of commodities.	Foreign.		Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Local.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....					8, 825	\$11, 180, 940	3, 459	\$306, 015
Vegetable food products, oil seeds, expressed oils and beverages.....	165, 345	\$38, 829, 788	99, 742	\$11, 104, 476	93, 353	20, 588, 208	10, 821	1, 666, 665
Other vegetable products except fibers and wood.....					65, 248	11, 686, 065		1, 200
Textiles.....	72	47, 880	29, 095	5, 495, 859	134, 349	124, 886, 450	480	616, 500
Wood and paper.....			212, 550	156, 792, 046	20, 792	1, 273, 417	16, 946	152, 441
Nonmetallic minerals.....	100, 750	2, 720, 557	39, 778	1, 738, 253	54, 516	1, 524, 253	82, 422	63, 828
Ores, metals, and manufactures, except machinery and vehicles.....			180, 613	1, 705, 210				
Machinery and vehicles.....			31, 102	1, 791, 517	35, 299	3, 312, 398	163	18, 180
Chemicals.....			1, 288	165, 919	1, 444	3, 461, 000	2	2, 734
Unclassified.....	467, 655	27, 615, 207	21, 129	346, 258	105, 258	3, 052, 021	253	10, 579
	2, 132	1, 599, 150	27, 409	18, 819, 094	132, 594	98, 924, 000	1, 122	107, 000
Total.....	735, 955	70, 812, 582	642, 706	197, 968, 631	653, 648	276, 888, 752	115, 690	3, 032, 858
							2, 147, 978	548, 692, 823
			Short tons.		Value.			
General ferry.....							34, 989	\$25, 857, 750
Cargoes in transit.....							827, 684	234, 637, 016

Vessel classification, 1920.

	Arrived.			Cleared.		
	Num- ber.	Tonnage.	Number of crew.	Num- ber.	Tonnage.	Number of crew.
Coastwise:						
Foreign vessels.....	66	160,174	2,388	56	124,302	2,030
American vessels.....	414	1,189,225	23,145	450	1,237,579	24,112
Foreign ports:						
Foreign vessels.....	97	175,826	3,010	107	208,229	3,285
American vessels.....	184	366,336	5,708	164	354,644	5,095
Total.....	761	1,891,561	34,251	777	1,924,754	34,522

Limits of draft of vessels and percentage of tonnage and value of the different classes of traffic.

Class of trade.	Limits of draft.	Percent- age of total tonnage.	Percent- age of total value.
FOREIGN.			
	<i>Fed.</i>		
Vegetable food products, oil seeds, expressed oils, and beverages.....	15-26	19	18
Other vegetable products except fibers and wood.....	18-26	2	2
Textiles.....	18-26	16	58
Wood and paper.....	16-20	3	1
Nonmetallic minerals.....	18-26	20	2
Ores, metals and manufactures, except machinery and vehicles.....	18-26	2	1
Machinery and vehicles.....	¹ 18-26		
Chemicals.....	18-26	36	10
Unclassified.....	18-26	2	8
COASTWISE.			
Animals and animal products except wool and hair.....	16-20	1	4
Vegetable food products, oil seeds, expressed oils, and beverages.....	16-20	14	7.5
Other vegetable products except fibers and wood.....	16-20	10	4.2
Textiles.....	16-20	21	45.1
Wood and paper.....	16-20	3	.5
Nonmetallic minerals.....	16-20	8	.5
Ores, metals and manufactures, except machinery and vehicles.....	16-20	7	1.2
Machinery and vehicles.....	¹ 16-20		.2
Chemicals.....	16-20	16	1.1
Unclassified.....	16-20	20	35.7
LOCAL.			
Animals and animal products, except wool and hair.....	2-8	3	13
Vegetable food products, oil seeds, expressed oils, and beverages.....	2-8	9	55
Other vegetable products, except fibers and wood.....	¹ 2-8		
Textiles.....	2-8	1	20
Wood and paper.....	2-8	14	5
Nonmetallic minerals.....	2-8	71	2
Ores, metals and manufactures, except machinery and vehicles.....	¹ 2-8		
Machinery and vehicles.....	2-8		
Chemicals.....	¹ 2-8		
Unclassified.....	2-8	1	4

¹ Less than 1 per cent in tonnage and value.

SAVANNAH RIVER BELOW AUGUSTA, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floating logs.		Total.	
			Tons.	Value.	Tons.	Value.
1893.....	37,000	\$3,700,000				
1894.....	37,000	3,700,000				
1895.....	38,930	3,749,850				
1896.....	40,000	4,000,000				
1897.....	48,000	1,730,000				
1898.....	36,375	2,882,015				
1899.....	34,950	3,500,000				
1900.....	45,800	2,260,000				
1901.....	54,000	3,520,000				
1902.....	55,330	3,353,585				
1903.....	60,987	6,399,137				
1904.....	61,353	6,154,521				
1905.....	55,700	7,850,000				
1906.....	53,300	5,350,000				
1907.....	63,013	6,796,530				
1908.....	48,274	5,425,800				
1909.....	35,400	5,384,924				
1910.....	34,470	4,958,200				
1911.....	40,168	5,628,083				
1912.....	91,479	2,487,103				
1913.....	88,460	9,112,702				
1914.....	72,321	3,508,123				
1915.....	52,374	4,147,135				
1916.....	47,345	8,452,322				
1917.....	41,184	14,297,270				
1918.....	100,193	11,765,583	21,330	\$332,214		
1919.....	68,180	5,856,275	25,260	270,765		
1920.....	60,425	43,407	6,348	53,483	66,773	\$99,890

¹ Exclusive of 193,206 tons sugar, value \$44,155,715, reported under foreign traffic, Savannah Harbor.

[Navigation season: Entire calendar year]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities (bulk).	By classes.	By commodities.	By classes.	
UPBOUND, INTERNAL.					
Wood and paper: Lumber.....	100	100	\$2,000	\$2,000	Miles. 4
DOWNBOUND, INTERNAL.					
Wood and paper: Brush ¹	1,000	1,000	2,490	2,490	9
Nonmetallic minerals.....	58,185	59,325	37,956	41,917	4
Sand.....	1,140		3,961		9
Stone ²					
Total.....	60,325	60,325		44,407	
Total upbound and downbound.....		0,425		46,407	

¹ Government material used in work of improvement.

Imports and exports of sugar, 193,206 short tons, valued at \$44,155,715, are reported under Savannah Harbor.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.	Floated logs.	
			Tons.	Value.
Wood and paper.....	1,100	\$4,490	6,348	\$53,483
Nonmetallic minerals.....	59,325	41,917		
Total.....	60,425	46,407	6,348	53,483

Vessel classification, 1920.

Class of traffic.	Limits of draft.
Wood and paper.....	<i>Fed.</i> 2-4
Nonmetallic minerals.....	2-4

¶ There was no steamboat service on the Savannah River between Savannah and Augusta during the calendar year.

SAVANNAH RIVER AT AUGUSTA, GA.

See statistics for Savannah River below Augusta, Ga.

SAVANNAH RIVER ABOVE AUGUSTA, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895.....	(1)	\$350,000	1908.....	2,995	\$169,780
1897.....	1,500	(1)	1910.....	1,830	162,290
1898.....	2,500	116,000	1911.....	1,635	145,100
1899.....	5,570	199,310	1912.....	3,244	206,480
1900.....	3,192	155,000	1913.....	1,733	79,112
1901.....	2,120	146,450	1914.....	7,772	138,000
1902.....	2,940	196,997	1915.....	8,643	77,182
1903.....	2,514	212,887	1916.....	3,994	111,761
1904.....	1,094	119,802	1917.....	2,404	113,923
1905.....	2,551	206,621	1918.....	3,500	235,650
1906.....	1,416	185,000	1919.....	2,876	163,650
1907.....	3,983	(1)	1920.....	3,937	98,157

[Season of navigation: Entire calendar year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
UPBOUND, INTERNAL.						
Vegetable food products, oil seeds, expressed oils, and beverages:						Miles.
Feed.....		21	21	\$1,365	\$1,365	21
Nonmetallic minerals: Brick.....	4		4	60	60	21
Chemicals: Fertilizer.....		290	290	13,050	13,050	21
Unclassified: General merchandise.	5		5	3,750	3,750	21
Total.....	9	311	320		18,225	
DOWNBOUND, INTERNAL.						
Animals and animal products, except wool and hair: Fish.....		1	1	150	150	30
Vegetable food products, oil seeds, expressed oils, and beverages:						
Cotton seed.....		14	14	1,050	1,050	21
Textiles: Cotton.....		28	28	18,620	18,620	21
Wood and paper:						
Lumber.....	3,351		3,574	58,642	60,112	21
Shingles.....		3		150		21
Wood.....	220			1,320		21
Total.....	3,571	46	3,617		79,932	
Total upbound and down- bound.....	3,580	357	3,937		98,157	

Vessel classification, 1920.

One 30-ton boat, with a draft of 4 feet, operated during the entire year, making 156 round trips. Another boat made 65 trips at intervals during four months. Other small boats of different drafts made intermittent trips from Augusta to the head of Savannah River pond of the Georgia-Carolina Power Dam. The lock of the Georgia-Carolina Power Dam at Stevens Creek was opened 395 times during the year.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	1	\$150
Vegetable food products, oil seeds, expressed oil, and beverages.....	35	2,415
Textiles.....	28	18,620
Wood and paper.....	3,574	60,112
Nonmetallic minerals.....	4	60
Chemicals.....	290	13,050
Unclassified.....	5	3,750
Total.....	3,937	98,157

WATERWAY BETWEEN BEAUFORT, S. C., AND ST. JOHNS RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1914.....	230,289	\$6,541,849					
1915.....	278,615	5,976,710					
1916.....	222,597	8,684,131	4,070	\$37,715	226,667	\$8,721,846	
1917.....	129,445	5,557,503	5,600	84,000	132,045	5,641,503	
1918.....	204,768	13,950,565	44,072	396,670	248,840	14,347,235	58,500
1919.....	203,548	12,277,900	9,447	141,600	212,995	12,419,500	77,716
1920.....	318,006	11,500,500	33,406	781,000	281,412	12,281,500	111,000

Navigation season extended throughout the year. Two steamboats of about 7 feet draft operated regularly between Savannah and Beaufort and one between Savannah and Bluffton. In addition, small motor boats and tugs made intermittent trips over this section of the waterway. A semiweekly schedule was maintained between Brunswick and Fernandina by a wooden steamboat of about 7½ feet draft, and a daily schedule was maintained by a similar vessel between Brunswick and St. Simons Island, including three trips per week to Darien. Two boats of similar type and draft operated in the vicinity of Savannah. A large number of wooden barges of about 6 feet draft, towed by gasoline launches and steam tugs, transported naval stores, crossties, lumber, and rafts of lumber to Brunswick, Darien, Savannah, and other points via the inside route. Fleets of gasoline launches made extensive use of this waterway in connection with the shrimp, oyster, and fish industries. Numerous other small launches and yachts, varying in tonnage from 10 to 100, passed this waterway en route to Florida points and return. About 50 motor boats of light draft operated between Savannah and Tybee via the inside route and Cowhead River. No regular schedule was maintained over the Fernandina to St. Johns River division of this waterway; however, a number of wooden barges of about 6 feet draft, towed by gasoline launches and steam tugs, transported commodities over this waterway. The entire commerce of this waterway is carried on over the improved section. In addition to the above, 12 schooners and seagoing barges, of 15 and 16 feet draft, carrying lumber, operated coastwise from Kilkenny over St. Catherine Bar.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities (bulk).	By classes.	By commodities.	By classes.
SHIPMENTS, COASTWISE.				
Lumber and lumber products.....	14,750	14,750	\$262,500	\$262,500

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Ton- miles.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, LOCAL.							
Animals and animal products except wool and hair.			6, 865		\$452, 300	Miles. 14	96, 110
Oysters.	3, 282			\$67, 000			
Do.		356		103, 200			
Shrimp.	525			33, 300			
Do.		742		159, 800			
Fish.	1, 475			71, 000			
Do.		76		12, 600			
Oyster shells.	400			1, 300			
Live stock.		8		1, 600			
Boots and shoes.		1		2, 500			
Vegetable food products.			2, 735		394, 300	22	60, 170
Hay.		717		32, 300			
Flour.		199		22, 500			
Sugar.		146		29, 200			
Grain.		1, 098		95, 000			
Vegetables, canned.		140		24, 000			
Groceries.		467		191, 300			
Other vegetable products except fibers and wood.			7		7, 000	20	140
Turpentine.		2		1, 000			
Tobacco.		5		6, 000			
Textiles: Dry goods.		20	20	50, 500	50, 500	21	420
Wood products.			8, 450		140, 100	22	308, 000
Lumber.	7, 050			124, 100			
Crossties.	1, 200			15, 000			
Wood.	200			1, 000			
Nonmetallic minerals.			2, 145		27, 600	12	25, 740
Sand.	600			1, 200			
Coal.	1, 100			11, 100			
Cement.		136		3, 200			
Fuel oil.		250		10, 000			
Gasoline.		59		2, 100			
Ores, metals and manufactures, except machinery and vehicles.			363		41, 000	28	10, 164
Iron.		210		22, 000			
Tinware.		153		19, 000			
Machinery and vehicles.			296		362, 100	20	5, 920
Machinery.		35		8, 700			
Wagons.		15		5, 000			
Autos.		246		348, 400			
Chemicals: Fertilizer.		942	942	42, 500	42, 500	77	72, 534
Unclassified.		3, 079	3, 079	109, 500	109, 500	17	52, 343
Total.	15, 832	9, 070	24, 902		1, 626, 900		631, 541
SHIPMENTS, LOCAL.							
Animal and animal products, except wool and hair.			29, 419		1, 068, 500	18	457, 542
Oysters.		1, 804		356, 600			
Do.	552			8, 200			
Prawn.	6, 623			279, 400			
Do.		248		70, 600			
Fish.		291		77, 400			
Do.	5, 838			115, 100			
Oyster shells.	13, 761			40, 000			
Live stock.		221		43, 200			
Hides.		45		21, 500			
Meats.		16		6, 500			
Boots and shoes.		20		50, 000			
Vegetable food products.			18, 139		3, 763, 100	29	526, 081
Hay.		6, 141		283, 800			
Flour.		80		10, 200			
Sugar.		53		10, 600			
Grain.		227		19, 000			
Cotton seed.		40		3, 000			
Feed.		21		1, 200			
Rice.		40		7, 000			
Peas.		3		500			
Vegetables.		5, 533		968, 200			
Groceries.		6, 001		2, 450, 600			

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Ton- miles.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, LOCAL—CON.							
Other vegetable products, except fibers and wood			4, 733		\$783, 200	Miles. 32	151, 456
Rosin		3, 647		\$292, 000			
Turpentine		1, 082		486, 800			
Tobacco		4		4, 400			
Textiles			511		1, 253, 800	43	21, 973
Cotton		29		48, 300			
Dry goods		482		1, 205, 500			
Wood products			143, 282		2, 596, 700	29	4, 155, 178
Lumber	81, 946			1, 517, 800			
Crossties	34, 172			509, 600			
Piling	8, 262			138, 800			
Wood products	11, 626			65, 000			
Logs	7, 276			365, 500			
Nonmetallic minerals			12, 749		358, 600	34	433, 466
Coal	3, 677			45, 200			
Brick	51			1, 000			
Fuel oil		166		6, 500			
Gasoline		4, 425		287, 800			
Lubricating oil		74		7, 900			
Sand	4, 000			8, 000			
Crushed rock	356			2, 200			
Ores, metals and manufac- tures, except machinery and vehicles			360		32, 000	88	31, 690
Iron		330		30, 000			
Hardware		30		2, 000			
Machinery and vehicles			510		303, 900	13	6, 630
Machinery		277		26, 900			
Wagons		63		22, 000			
Autos		170		255, 000			
Chemicals: Fertilizers		868	868	46, 500	46, 500	36	31, 248
Unclassified		1, 189	1, 189	185, 800	185, 800	11	14, 157
Total	178, 140	33, 620	211, 760		10, 392, 100		5, 829, 361
Total receipts and and shipments	193, 972	42, 690	236, 662		12, 019, 000		6, 460, 902

SUMMARY.

Classes of commodities.	Coastwise.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			36, 284	\$1, 520, 800	36, 284	\$1, 520, 800
Vegetable food products.....			20, 874	4, 157, 400	20, 874	4, 157, 400
Other vegetable products, except fibers and wood.....			4, 740	790, 200	4, 740	790, 200
Textiles.....			531	1, 304, 300	531	1, 304, 300
Wood products.....	14, 750	\$262, 500	151, 732	2, 736, 800	166, 482	2, 999, 300
Nonmetallic minerals.....			14, 894	386, 200	14, 894	386, 200
Ores, metals, and manufactures, except machinery, vehicles.....			723	73, 000	723	73, 000
Machinery and vehicles.....			806	666, 000	806	666, 000
Chemicals.....			1, 810	89, 000	1, 810	89, 000
Unclassified.....			4, 268	295, 300	4, 268	295, 300
Total.....	14, 750	262, 500	236, 662	12, 019, 000	251, 412	12, 281, 609

SAPELO HARBOR, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.	
			Tons.	Value.	Tons.	Value.
1909.....	(1)	401,412				
1910.....	(1)	277,500				
1911.....	(1)	289,228				
1912.....	29,400	237,900				
1913.....	51,908	519,090				
1914.....	51,480	389,941				
1915.....	7,660	58,955				
1916.....	23,232	232,317	23,232	\$232,317	46,464	\$464,634
1917.....						
1918 ¹						
1919.....	1,288	25,800	1,288	25,800	2,576	51,600
1920.....	2,660	45,500	3,460	59,500	6,120	105,000

¹ No statistics available.

The navigation season extended throughout the year. The commerce consists entirely of lumber and timber brought in rafts and lighters over the inside waterway from Darien and shipped foreign by vessels of about 20 feet draft, using Sapelo entrance. The entire commerce was carried to the loading docks through Creighton Narrows, a recently improved part of the inside waterway, and not by Mud River and Sapelo Sound, as formerly.

Freight traffic, 1920.

	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
Foreign exports: Lumber and lumber products.....	2,660	2,660	\$45,500	\$45,500
Local receipts: Wood products.....	3,460	3,460	59,500	59,500

SUMMARY.

Classes of commodities.	Exports.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood products.....	2,660	\$45,500	3,460	\$59,500	6,120	\$105,000

DARIEN HARBOR, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passen- gers.
			Tons.	Value.	Tons.	Value.	
1883.	125,000	\$1,500,000					
1884.	125,000	1,500,000					
1885.	125,000	1,500,000					
1886.	125,000	1,500,000					
1887.	165,000	1,090,000					
1888.	250,000	2,500,000					
1889.	146,000	920,382					
1900.	233,400	1,374,688					
1901.	118,834	781,080					
1902.	174,528	1,092,561					
1903.	176,131	1,154,597					
1904.	121,224	917,240					
1905.	82,308	723,207					
1906.	130,991	1,231,666					
1907.	119,003	1,097,612					
1908.	3,000	180,000					
1909.	4,000	130,000					
1910.	3,000	800,000					
1911.	2,050	355,622					
1912.	3,047	95,500					
1913.	133,666	1,536,680					
1914.	115,076	1,450,909					
1915.	144,515	1,447,408					
1916.	30,000	800,000	45,202	\$2,391,920	125,402	\$3,191,920	11,844
1917.	14,800	219,000	16,268	354,403	31,068	573,403	10,900
1918.	105,000	1,524,000	33,731	2,066,314	138,731	3,590,314	5,136
1919.	30,000	475,000	24,673	1,584,000	54,673	2,059,000	1,000
1920.	34,000	850,000	35,246	1,152,600	69,246	2,002,600	21,075

The navigation season extended throughout the year. The commerce consisted almost entirely of lumber, which was received in the form of rafts from the Altamaha River and reshipped from Darien, the port of entry. One single-screw wooden steamer of about 7 feet draft made three round trips per week, carrying freight and passengers between Brunswick and Darien. All coastwise outbound lumber was carried in seagoing barges of 14 to 16 feet draft over Doboy Bar. Local lumber was towed in rafts.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE.					
Wood products.....			23,308		\$680,000
Lumber.....	21,308			\$640,000	
Piling.....	2,000			40,000	
Total.....	23,308		23,308		680,000
RECEIPTS, LOCAL.					
Animals and animal products except wool and hair.....			467		34,200
Oysters.....	7			1,000	
Oysters, canned.....		135		32,200	
Oyster shells.....	325			1,000	
Vegetable food products.....			602		66,900
Groceries.....		42		17,200	
Sugar.....		7		1,400	
Grain.....		353		30,300	
Hay.....		100		5,000	
Cottonseed.....		40		3,000	
Vegetables, canned.....		60		10,000	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, LOCAL—continued.					
Other vegetable products except fibers and wood: Turpentine.....		2	2	\$1,000	\$1,000
Textiles.....			28		57,100
Dry goods.....		5		13,000	
Cotton.....		23		44,100	
Wood products.....			32,006		657,400
Lumber.....	31,274			642,800	
Logs.....	732			14,600	
Nonmetallic minerals.....			492		39,000
Coal.....	100			1,000	
Gasoline.....		185		7,000	
Lubricating oil.....		207		31,000	
Machinery, vehicles.....			28		39,000
Autos.....		25		38,000	
Wagons.....		3		1,000	
Unclassified.....		301	301	4,000	4,000
Total.....	32,438	1,488	33,926		898,600
SHIPMENTS, LOCAL.					
Animals and animal products except wool and hair: Shrimp.....		400	400	80,000	80,000
Vegetable food products: Grain.....		30	30	3,000	3,000
Other vegetable products except fibers and wood: Turpentine.....		100	100	45,000	45,000
Wood products: Lumber.....	11,374		11,374	215,000	215,000
Metals, ores: Iron.....		55	55	5,000	5,000
Machinery, vehicles: Automobiles.....		53	53	76,000	76,000
Total.....	11,374	638	12,012		424,000
Total receipts and shipments, local.....	43,812	2,126	45,938		1,322,600
Total receipts and shipments, local and coastwise.....	67,120	2,126	69,246		2,002,600

These local tables comprise commerce from and to inland ports and waterways and included floated logs, 35,246 tons value, \$1,152,600.

SUMMARY.

Classes of commodities.	Coastwise.		Local.		Value.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products except wool and hair.....			867	\$114,200	867	\$114,200
Vegetable food products.....			632	69,900	632	69,900
Other vegetable products except fibers and wood.....			102	46,000	102	46,000
Textiles.....			28	57,100	28	57,100
Wood products.....	23,308	\$680,000	43,380	872,400	66,688	1,552,400
Nonmetallic minerals.....			492	39,000	492	39,000
Metals, ores.....			55	5,000	55	5,000
Machinery, vehicles.....			81	115,000	81	115,000
Unclassified.....			301	4,000	301	4,000
Total.....	23,308	680,000	45,938	1,322,600	69,246	2,002,600

Vessel classification, 1920.

Vessels.	Arrived.			Cleared.		
	Number.	Tonnage.	Crew.	Number.	Tonnage.	Crew.
Coastwise: American.....	18	18,800	72	18	18,800	72
Foreign ports: Foreign.....	2	1,592	28	2	1,592	28

The above (2) foreign vessels cleared from Sapelo.
There were 21,075 passengers carried during the year.

FANCY BLUFF CREEK, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passen- gers.
			Tons.	Value.	Tons.	Value.	
1914.....	3,606	\$150,692					
1915.....	2,513	84,882					
1916.....	3,755	69,216	130	\$1,300	3,885	\$70,516	3,100
1917.....	1,832	114,091	112	1,680	1,944	115,771	7,560
1918.....	3,178	193,385	375	3,635	3,553	197,020	3,650
1919.....	1,339	217,400			1,339	217,400	11,000
1920.....	2,649	156,000	500	10,000	3,149	166,000	2,500

The navigation season extended throughout the year. The commerce of this waterway is carried on principally by launches. One launch makes a round trip daily, and others a round trip weekly. Numerous other miscellaneous launches and light-draft boats used this waterway the entire year. Commerce for the calendar year 1920 follows:

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, LOCAL.							
Vegetable food products.....			195		\$30,300	Miles. 4	780
Hay.....		90		\$4,000			
Flour.....		60		8,000			
Groceries.....		45		18,300			
Lumber products.....	60		60	1,200	1,200	4	240
Nonmetallic minerals: Brick.....	23		23	300	300	4	92
Chemicals: Fertilizer.....		25	25	1,200	1,200	4	100
Unclassified.....		120	120	12,200	12,200	4	480
Total.....	83	340	423		45,200		1,092
SHIPMENTS, LOCAL.							
Animal products.....			90		19,900		
Fish.....		50		7,500		4	200
Hides.....		1		500			
Meats.....		39		11,900			
Vegetable food products:							
Grain.....		26	26	2,200	2,200	4	104

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, LOCAL—contd.							
Other vegetable products.....			461		\$62,500	<i>Miles.</i>	
Rosin.....		371		\$22,000		4	1,844
Turpentine.....		90		40,500			
Wood products.....			2,024		32,000	7	14,168
Wood.....	200			1,000			
Croesties.....	1,140			17,000			
Lumber.....	184			4,000			
Piling, floating.....	500			10,000			
Miscellaneous.....		125	125	4,200	4,200	4	500
Total.....	2,024	702	2,726		120,800		16,976
Total receipts and shipments.....	2,107	1,042	3,149		166,000		18,668

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animals and animal products except wool and hair.....	90	\$19,900	Nonmetallic minerals.....	23	\$300
Vegetable food products.....	221	32,500	Chemicals.....	25	1,200
Other vegetable products except fiber and wood.....	461	62,500	Unclassified.....	245	16,400
Wood products.....	2,084	33,200	Total.....	3,149	166,000

SATILLA RIVER, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1912.....	54,770	\$775,560					
1913.....	121,098	1,742,712					
1914.....	61,997	797,013					
1915.....	67,398	723,447					
1916.....	50,047	980,101	5,527	\$63,713	55,574	\$1,033,814	2,475
1917.....	18,276	710,476	9,000	143,000	27,276	853,476	2,000
1918.....	46,255	2,712,270	30,450	333,042	86,705	3,045,312	1,600
1919.....	31,544	2,585,300	14,969	268,200	46,513	2,853,500	653
1920.....	34,677	1,149,100	29,376	273,200	64,053	1,422,300	580

The navigation season extended throughout the year. One single-screw wooden steamer of 7½ feet draft made semiweekly trips, carrying freight and passengers between Brunswick and Burnt Fort. Ocean going barges and sailing vessels of about 17 feet operated as far as Owens Ferry, and intermediate points, where they were loaded with lumber, etc., representing about 2 per cent of the total tonnage and 2 per cent of the total value of commerce on this waterway. Rafts, lighters, tugs, and launches of light draft operated extensively on the lower portion of this stream.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
SHIPMENTS, COASTWISE.				
Wood products.....	1,444	1,444	\$29,000	\$29,000

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Pack-age.		By com-modities.	By classes.		
RECEIPTS, LOCAL.							
Animal and animal products except wool and hair.....			346		\$103,400	<i>Miles.</i>	
Shrimp.....		345		\$100,900		30	10,390
Boots and shoes.....		1		2,500			
Vegetable food products.....			815		78,400	32	26,080
Flour.....		69		8,300			
Sugar.....		31		6,200			
Grain.....		400		36,900			
Hay.....		250		11,000			
Canned vegetables.....		65		16,000			
Other vegetable products except fibers and wood:							
Tobacco.....		5	5	5,700	5,700	30	150
Textiles: Dry goods.....		7	7	18,500	18,500	40	280
Wood products.....			14,788		154,400	14	207,032
Logs.....	13,388			127,200			
Lumber.....	1,400			27,200			
Nonmetallic minerals: Coal.....	100		100	1,000	1,000	40	4,000
Ores, metals: Iron.....		10	10	1,200	1,200	30	300
Unclassified.....		26	26	2,600	2,600	50	1,000
Total.....	14,888	1,209	16,097		365,200		249,222
SHIPMENTS, LOCAL.							
Animal and animal products except wool and hair:							
Hides.....		39	39	18,700	18,700	30	1,170
Vegetable food products.....		22	22	1,000	1,000	30	660
Other vegetable products except fibers and wood.....			1,789		249,800	38	67,082
Rosin.....		1,419		83,300			
Turpentine.....		370		166,500			
Wood products.....			44,359		730,600	21	931,539
Lumber.....	18,030			421,400			
Crossties.....	11,781			176,000			
Logs.....	10,188			71,200			
Piling.....	4,360			62,000			
Ores, metal and manufactures of, except machinery and vehicles.....		300	300	27,000	27,000	30	9,000
Machinery, vehicles.....		3	3	1,000	1,000	30	90
Total.....	44,359	2,153	46,512		1,028,100		1,010,441
Total receipts and shipments, local....	59,247	3,362	62,609		1,393,300		1,259,663
Total receipts and shipments, local and coastwise.....	60,691	3,362	64,053		1,422,300		2,270,104

These local tables comprise commerce from and to inland ports and waterways and include floated logs. 23,376 tons, value \$273,200.

Freight traffic, 1920—Continued.

SUMMARY.

Classes and commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products except wool and hair.....			385	\$122,100	385	\$122,100
Vegetable food products.....			837	79,400	837	79,400
Other vegetable products except fiber and wood.....			1,794	255,500	1,794	255,500
Textiles.....			7	18,500	7	18,500
Wood products.....	1,444	\$29,000	59,147	885,000	60,591	914,000
Nonmetallic minerals.....			100	1,000	100	1,000
Ores, metals and manufactures of, except machinery and vehicles.....			310	28,200	310	28,200
Machinery and vehicles.....			3	1,000	3	1,000
Unclassified.....			26	2,600	26	2,600
Total.....	1,444	29,000	62,609	1,393,300	64,053	1,422,300

ST. MARYS RIVER, GA. AND FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floating logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1912.....	38,266	\$587,000					
1913.....	53,400	1,627,144					
1914.....	74,038	1,931,801					
1915.....	100,894	1,139,717					
1916.....	11,764	1,317,482	10,000	\$140,000	21,764	\$1,457,482	9,197
1917.....	20,351	1,045,753	16,000	260,000	36,351	1,305,753	
1918.....	64,694	1,771,225	49,752	719,640	114,436	2,490,865	
1919.....	30,070	1,636,400	9,624	141,200	39,694	1,777,600	1,200
1920.....	51,673	1,362,400	13,000	180,000	64,673	1,542,400	1,000

The navigation season extended throughout the year. Nine schooners and 7 sea-going barges of from 18 to 20 feet draft entered and cleared via Fernandina Harbor, carrying cargoes composed entirely of lumber (square and round) amounting to 12,000 tons valued at \$161,000, representing approximately 18 per cent in tons and 10 per cent in value of the total commerce and depending on the full project depth. One-half of this traffic extended up the river to the city of St. Marys, and the other as far as Kings Ferry, mileage 38. Fleets of gasoline launches operated from St. Marys in connection with the shrimp and fish industries. About 80 per cent of the commerce of this river is carried on from St. Marys, situated 6 miles above its mouth.

Freight traffic, 1920.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities (bulk).	By classes.	By commodities.	By classes.
SHIPMENTS, COASTWISE.				
Wood products.....	12,800	12,800	\$160,800	\$160,800

Freight traffic, 1920—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Pack- age.		By com- modities.	By classes.		
RECEIPTS, LOCAL.							
Animal and animal products except wool and hair.			5,761		\$79,900	Miles. 30	172,890
Shrimp.....	343			\$21,000			
Do.....		18		4,900			
Fish.....	5,400			54,000			
Vegetable food products.....			528		41,800	34	17,952
Grain.....		155		12,600			
Flour.....		33		4,000			
Sugar.....		65		13,000			
Hay.....		275		12,200			
Textiles.....		4	4	10,000	10,000	25	100
Wood products: Logs.....	13,232		13,232	169,400	169,400	30	396,960
Nonmetallic minerals: Cement.....		5	5	100	100	40	200
Machinery and vehicles:							
Machinery.....	199		199	11,900	11,900	40	7,960
Fertilizer.....		4	4	200	200	40	160
Unclassified.....		99	99	19,800	19,800	40	3,960
Total.....	19,174	658	19,832		333,100		588,002
SHIPMENTS, LOCAL.							
Animal and animal products except wool and hair:							
Shrimp.....		255	255	56,500	56,500	29	7,395
Vegetable food products:							
Canned vegetables.....		4	4	700	700	40	160
Other vegetable products except fibers and wood.			2,941		529,500		
Rosin.....		2,228		208,700		23	67,643
Turpentine.....		713		320,800			
Wood products.....			28,841		461,800	42	1,211,322
Lumber.....	7,983			155,300			
Crossties.....	16,858			249,700			
Logs.....	4,000			56,800			
Total.....	28,841	3,200	32,041		1,048,500		1,286,520
Total receipts and ship- ments.....	48,015	3,858	51,873		1,381,600		1,874,522
Total receipts and shipments, local and coastwise.....	60,815	3,858	64,673		1,542,400		1,874,522

These local tables comprise commerce from and to inland ports and waterways and include floated logs, 13,000 tons, value \$180,000.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products except wool and hair.....			6,016	\$136,400	6,016	\$136,400
Vegetable food products.....			532	42,500	532	42,500
Other vegetable products except fiber and wood.....			2,941	529,500	2,941	529,500
Textiles.....			4	10,000	4	10,000
Wood products.....	12,800	\$160,800	42,073	631,200	54,873	792,000
Nonmetallic minerals.....			5	100	5	100
Machinery and vehicles.....			199	11,900	199	11,900
Chemicals.....			4	200	4	200
Unclassified.....			99	19,800	99	19,800
Total.....	12,800	160,800	51,873	1,381,600	64,673	1,542,400

ALTAMAHA RIVER, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1893.....	290,115	\$3,591,975					
1894.....	263,850	3,373,500					
1895.....	332,240	4,360,900					
1896.....	332,000	4,000,000					
1897.....	22,000	540,000					
1898.....	11,000	1,000,000					
1899.....	17,000	1,025,000					
1900.....	15,000	1,025,000					
1901.....	15,000	1,025,000					
1902.....	8,867	620,690					
1903.....	12,630	690,000					
1904.....	4,500	200,000					
1905.....	13,000	250,000					
1906.....	14,000	449,000					
1907.....	8,500	345,000					
1908.....	13,700	1,110,000					
1909.....	41,000	2,295,000					
1910.....	11,198	796,100					
1911.....	9,986	679,401					
1912.....	15,533	1,777,000					
1913.....	111,415	1,682,987					
1914.....	103,306	1,896,263					
1915.....	76,763	967,205					
1916.....	67,993	1,299,000	16,000	\$160,000	83,993	\$1,459,000	
1917.....	15,125	1,063,484	22,500	352,500	37,625	1,415,984	250
1918.....	16,241	1,619,000	70,396	664,190	86,637	2,313,190	215
1919.....	112,000	9,638,500	28,682	409,200	140,682	10,047,700	185
1920.....	38,591	2,237,400	55,561	1,104,000	94,152	3,341,400	210

The navigation season extended throughout the year. One stern wheel wooden steamer of 4 feet draft made an average of two trips per month between Doctortown and points above the Forks, while another of approximately the same size and type made weekly round trips between Brunswick and points along the river. A large amount of lumber, in part, originating on the river, and, in part, from the main streams and tributaries above the Forks, was rafted on this waterway to Darien, thence to Sapelo, Brunswick, and Savannah. In addition, there were numerous gasoline boats which towed lumber and supplies on the lower 10 miles of the river.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Pack- age.		By com- modities.	By classes.		
RECEIPTS, LOCAL.							
Animals and animal products except wool and hair:						Miles.	
Live stock.....	25		25	\$5,000	\$5,000	20	500
Vegetable food products.....			835		151,700		
Sugar.....		35		7,000		30	25,050
Groceries.....		250		102,500			
Grain.....		100		8,500			
Cotton seed.....		450		33,700			
Other vegetable products except fibers and wood.....			733		86,100		
Turpentine.....		108		48,600		20	14,660
Rosin.....		625		37,500			
Textiles.....			130		95,000		2,600
Cotton.....		125		82,500			
Dry goods.....		5		12,500			
Wood products.....			10,629		188,600		
Staves.....	375			11,200		97	972,813
Lumber.....	9,654			177,400			
Nonmetallic minerals.....			66		2,200		
Brick.....	56			700		23	1,518
Lubricating oil.....		10		1,500			
Ores, metals.....		112	112	10,000	10,000	20	2,240
Machinery and vehicles.....		50	50	12,500	12,500	20	1,000
Chemicals: Fertilizer.....		4,091	4,091	182,600	182,600	22	90,002
Total.....	10,110	5,961	16,071		733,700		1,110,383
SHIPMENTS, LOCAL.							
Animal and animal products except wool and hair:			837		111,000		
Live stock.....	25			5,000		10	8,370
Oyster shells.....	325			1,000			
Canned goods.....		487		105,000			
Vegetable food products.....			7,527		529,600	18	135,486
Hay.....		6,100		275,000			
Sugar.....		42		8,400			
Groceries.....		392		160,700			
Grain.....		483		41,800			
Fruits and vegetables.....		60		10,000			
Cotton seed.....		450		33,700			
Other vegetable products except fibers and wood.....			735		87,100		
Rosin.....		625		37,500		18	13,230
Turpentine.....		110		49,600			
Textiles.....			158		152,100		
Cotton.....		148		126,600		18	2,844
Dry goods.....		10		25,500			
Wood products.....			63,802		1,386,500		5,104,160
Oak blocks.....	1,250			25,000		80	
Wood products.....	824			160,800			
Piling.....	10,697			213,700			
Lumber.....	45,656			901,600			
Cross-ties.....	5,000			7,500			
Staves.....	375			11,200			
Nonmetallic minerals.....			358		11,200		
Brick.....	56			700		22	7,856
Lubricating oil.....		17		2,500			
Gasoline.....		185		7,000			
Coal.....	100			1,000			
Ores, metals, manufactures except machinery and vehicles.....			182		16,500	17	3,064
Wire.....		15		1,500			
Iron.....		167		15,000			
Machinery and vehicles.....			131		127,560	12	1,571
Machinery.....		50		12,500			
Autos.....		75		113,000			
Wagons.....		6		2,000			
Chemicals.....		4,060	4,060	182,200	182,200	20	81,000
Miscellaneous (unclassified).....		361	301	4,000	4,000	8	2,408
Total.....	64,308	13,773	78,081		2,607,700		
Total receipts and shipments.....	74,418	19,734	94,152		3,341,400		5,360,019

These tables comprise commerce from Ocmulgee and Oconee Rivers, local, some of which go to the port of Darien.

Freight traffic, 1920—Continued.

SUMMARY.

Classes and commodities.	Local.		Classes and commodities.	Local.	
	Tons.	Value.		Tons.	Value.
Animals and animal products except wool and hair.....	862	\$116,000	Ores, metals and manufactures, except machinery and vehicles.....	294	\$26,500
Vegetable food products.....	8,362	681,300	Machinery and vehicles.....	181	140,000
Other vegetable products except fiber and wood.....	1,468	173,200	Chemicals.....	8,141	364,800
Textiles.....	288	247,100	Unclassified.....	301	4,000
Wood products.....	73,531	1,575,100	Total.....	94,152	3,341,400
Nonmetallic minerals.....	424	13,400			

OCONEE RIVER, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1892.....	95,517	\$1,289,130					
1893.....	115,271	1,980,625					
1894.....	119,060	1,731,450					
1895.....	119,765	1,687,878					
1896.....	115,000	1,680,000					
1897.....	22,550	800,000					
1898.....	10,000	1,000,000					
1899.....	10,000	505,000					
1900.....	6,800	524,000					
1901.....	32,000	480,000					
1902.....	7,781	622,480					
1903.....	31,174	1,241,802					
1904.....	32,160	443,225					
1905.....	20,900	520,174					
1906.....	50,246	540,000					
1907.....	11,000	330,000					
1908.....	19,000	247,000					
1909.....	20,345	731,000					
1910.....	10,687	308,969					
1911.....	6,213	266,184					
1912.....	7,451	309,190					
1913.....	10,440	574,125					
1914.....	38,242	1,509,976					
1915.....	41,925	484,091					
1916.....	11,984	404,867	9,800	\$106,000	21,694	\$510,867	300
1917.....	18,745	226,625	3,000	45,000	21,745	271,625	280
1918.....	17,940	362,745	600	12,500	18,540	375,245	225
1919.....	128,060	2,209,000	3,000	60,000	131,060	2,269,000	450
1920.....	103,794	2,576,700	5,913	167,100	109,707	2,743,800	200

The navigation season extended throughout the year. When stage of water would permit, one stern-wheel wooden steamer of 34 feet draft made regular weekly round trips carrying passengers and freight between Bonny Clabber landing and Dublin, a distance of 30 miles. Two other steamers made alternate trips to the same landing and occasionally going as far down as Bells Ferry. The Dublin Veneer Co. operated constantly one tunnel-built oil power towboat of 14-inch draft which tows barges of hardwood blocks for their mills, operating 25 miles above and 30 miles below Dublin. In addition the rafting of timber was carried on extensively.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, LOCAL.							
Wood products.....			50,700		\$1,260,000	<i>Miles.</i> 30	1,521,000
Stave bolts.....	1,200			\$180,000			
Hardwood blocks.....	49,500			1,080,000			
Chemicals: Fertilizers.....		200	200	10,000	10,000	40	8,000
Total.....	50,700	200	50,900	1,270,000	1,270,000		1,529,000
SHIPMENTS, LOCAL.							
Wood products.....			58,557		1,461,600	9	527,013
Lumber.....	5,913			167,100			
Hardwood blocks.....	51,444			1,114,500			
Stave bolts.....	1,200			180,000			
Chemicals: Fertilizer.....		250	250	12,200	12,200	80	20,000
Total.....	58,557	250	58,807	1,473,800	1,473,800		547,013
Total receipts and shipments.....	109,257	450	109,707	2,743,800	2,743,800		2,076,013

These tables comprise commerce on Oconee River and include floated logs, 5,913 tons, value \$167,100.

SUMMARY.

Classes and commodities.	Tons.	Value.
Wood products.....	109,257	\$2,721,600
Chemicals.....	450	22,200
Total.....	109,707	2,743,800

OCMULGEE RIVER, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1892.....	110,293	\$1,356,915					
1893.....	114,470	1,528,300					
1895.....	121,900	2,038,400					
1896.....	120,000	2,000,000					
1898.....	20,000	1,000,000					
1899.....	24,000	1,250,000					
1900.....	24,724	1,310,000					
1901.....	15,000	1,000,000					
1902.....	8,937	625,400					
1903.....	12,744	408,370					
1904.....	7,497	248,430					
1905.....	23,940	338,700					
1906.....	18,000	550,000					
1907.....	10,966	600,000					
1908.....	18,700	900,000					
1909.....	17,400	960,000					
1910.....	12,523	760,300					
1911.....	12,251	821,413					
1912.....	9,528	505,130					
1913.....	28,474	1,388,260					
1914.....	28,063	1,484,445					
1915.....	33,645	1,127,566					
1916.....	25,454	1,154,458	4,000	\$50,000	29,454	\$1,204,358	600
1917.....	16,174	1,511,285	2,000	30,000	18,174	1,546,285	700
1918.....	26,202	1,445,415	8,400	126,000	34,602	1,571,415	650
1919.....	292,214	5,546,400	3,200	64,000	295,414	5,610,300	
1920.....	59,964	1,991,400	3,113	73,100	63,077	2,064,400	

The navigation season extended throughout the year. Seven steamboats of from 18 inches to 5 feet 4 inches draft, operated over sections of this river, covering 155 miles from the Forks to 20 miles above Hawkinsville, all carrying lumber and hardwood blocks. Two of these maintained weekly schedules from Lumber City to Abbeville, towing barges of lumber in addition to freight carried. Also several motor boats of light draft were operated by local industries. Rafting of timber was extensively carried on.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, LOCAL.							
Animals and animal products, except wool and hair.			2		\$2,800	Miles. 40	80
Canned goods.		1		300			
Boots and shoes.		1		2,500			
Vegetable food products.			286		24,300	84	24,024
Grain.		50		4,200			
Cotton seed.		200		15,000			
Flour.		30		3,900			
Sugar.		6		1,200			
Other vegetable products, except fibers and wood.			1,601		194,700	41	65,641
Rosin.		1,350		81,000			
Turpentine.		250		112,500			
Tobacco.		1		1,200			
Textiles.			153		106,500		
Cotton.		150		99,000			
Dry goods.		3		7,500			
Wood products.			25,246		403,800	32	807,872
Lumber.	13,210			230,900			
Logs, hardwood.	4,800			54,000			
Crossties.	1,230			43,400			
Staves.	5,100			70,500			
Cordwood.	906			5,000			
Machinery and vehicles.			522		130,600	30	15,660
Wagons.		2		600			
Machinery.	520			130,000			
Chemicals: Fertilizer.	2,144		2,144	96,400	96,400	30	64,320
Unclassified.	50		50	37,500	37,500	50	2,500
Total.	25,246	4,758	30,004		996,600		
SHIPMENTS, LOCAL.							
Animals and animal products, except wool and hair.			2		2,800	40	80
Canned goods.		1		300			
Boots and shoes.		1		2,500			
Vegetable food products.			286		24,300	84	24,024
Grain.		50		4,200			
Cotton seed.		200		15,000			
Flour.		30		3,900			
Sugar.		6		1,200			
Other vegetable products.			1,601		194,700	41	65,641
Rosin.		1,350		81,000			
Turpentine.		250		112,500			
Tobacco.		1		1,200			
Textiles.			153		106,500		
Cotton.		150		99,000		75	11,475
Dry goods.		3		7,500			
Wood products.			28,359		476,900	28	794,052
Lumber.	16,323			304,000			
Logs.	4,800			54,000			
Crossties.	1,230			43,400			
Lumber products.	680			48,000			
Staves.	4,500			22,500			
Cordwood.	906			5,000			
Machinery and vehicles.			522		130,600	30	15,660
Machinery.	520			130,000			
Wagons.	2			600			
Chemicals: Fertilizers.	2,100		2,100	94,500	94,500	30	63,000
Unclassified.	50		50	37,500	37,500	50	2,500
Total.	28,359	4,714	33,073		1,067,800		976,432
Total receipts and shipments.	53,605	9,472	63,077		2,064,400		1,956,529

Ferry traffic: Automobiles, short tons, 3,933; value, \$5,899,500.

These tables show the commerce of the Ocmulgee River and include floated logs, 3,113, value \$73,100.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animal and animal products except wool and hair.....	4	\$5,600	Wood products.....	53,605	\$880,700
Vegetable food products.....	572	48,600	Machinery and vehicles.....	1,044	281,200
Other vegetable products except fibers and wood.....	3,202	389,400	Chemicals.....	4,244	190,900
Textiles.....	306	213,000	Unclassified.....	100	75,000
			Total.....	63,077	2,064,400

BRUNSWICK HARBOR, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1891.....	576,189	\$12,756,760					
1892.....	676,615	13,652,703					
1893.....	628,906	7,637,907					
1894.....	771,543	13,488,831					
1895.....	603,682	12,295,962					
1896.....	754,665	15,665,402					
1897.....	915,294	18,385,224					
1898.....	573,370	15,359,533					
1899.....	697,892	21,375,486					
1900.....	733,999	24,705,743					
1901.....	677,256	28,091,111					
1902.....	1,017,423	27,372,338					
1903.....	1,502,996	30,923,332					
1904.....	1,417,157	29,939,416					
1905.....	1,656,257	43,832,390					
1906.....	1,423,985	35,892,335					
1907.....	1,500,000	45,041,756					
1908.....	1,200,000	39,892,155					
1909.....	774,000	43,129,000					
1910.....	784,542	43,666,171					
1911.....	704,252	44,506,731					
1912.....	725,597	45,064,004					
1913.....	1,006,026	58,238,725					
1914.....	587,224	38,373,320					
1915.....	500,911	44,675,211					
1916.....	468,459	67,319,350	1,557	\$7,278	470,016	\$67,326,628	25,709
1917.....	321,898	55,992,322	296	13,918	322,194	56,006,180	26,000
1918.....	556,458	57,016,330	17,403	215,135	573,861	57,281,415	57,000
1919.....	378,031	75,828,000	12,070	142,000	390,101	75,970,000	121,670
1920.....	739,305	48,859,000	26,976	434,000	766,281	49,293,000	94,416

Navigation season: Entire calendar year.

Information in regard to the commerce of Brunswick, prior to improvement, may be found in the annual report of the fiscal year ending June 30, 1897. The Clyde Steamship Co. operated two single-screw iron ships of 20 to 22 feet draft on a regular weekly schedule between Brunswick and New York; however, due to unsettled labor conditions in northern ports, they were unable to maintain this schedule without interruption. In addition, they operated intermittently Shipping Board and other vessels, making total sailings, including the regular schedule, of 30 northbound and 20 southbound trips. Sailing vessels, barges, and steamers of from 14 to 28 feet draft, operated coastwise from Brunswick. Two single-screw wooden steamers of about 7 feet draft maintained daily schedules between Brunswick and near-by ports, and one vessel of the same type and draft maintained semiweekly schedules with various towns and landings on the Inland Waterway and rivers. Numerous tugs and launches, towing rafts and barges, and a fleet of gasoline launches, engaged in the shrimp industry, operated from Brunswick. An intermittent freight service was maintained with twin-screw steel ships of from 18 to 27 feet draft between Brunswick and the principal ports of the United Kingdom, and in addition, oil-tank steamships drawing 25 to 27 feet operated coastwise and foreign.

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Sugar.....	4,526	4,526	\$1,674,000	\$1,674,000
Nonmetallic minerals: Crude oil.....	42,383	42,383	763,000	763,000
Ores, metals: Aluminum.....	1,745	1,745	385,000	385,000
Chemicals.....		9,842		389,000
Kainite.....	6,136		123,000	
Nitrate of soda.....	3,146		222,000	
Potash.....	560		44,000	
Total.....		58,496		3,211,000
EXPORTS.				
Animals and animal products except wool and hair:				
Fish.....	50	50	7,000	7,000
Vegetable food products: Flour.....	6,262	6,262	703,000	703,000
Other vegetable products except fibers and wood.....		12,038		2,041,000
Turpentine.....	2,195		1,220,000	
Rosin.....	9,264		621,000	
Tobacco.....	670		176,000	
Pine oil.....	9		24,000	
Textiles: Cotton.....	23,018	23,018	16,062,000	16,062,000
Wood products.....		69,938		1,206,000
Lumber.....	30,836		678,000	
Creosotes.....	38,668		564,000	
Lumber products.....	434		14,000	
Nonmetallic minerals: Fuel oil.....	88,246	88,246	3,039,000	3,039,000
Ores, metals.....		25,573		1,388,000
Iron pipe.....	1,460		145,000	
Pig iron.....	9,507		334,000	
Iron and steel.....	1,120		51,000	
Steel plates.....	2,335		203,000	
Steel rails.....	11,151		655,000	
Total.....		225,125		24,446,000
Total imports and exports.....		283,621		27,657,000

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products.....			2,780		\$1,131,000
Canned vegetables.....		80		\$24,000	
Groceries.....		2,700		1,107,000	
Textiles: Dry goods.....		1,350	1,350	3,375,000	3,375,000
Nonmetallic minerals: Crude oil.....	186,566		186,566	3,600,000	3,600,000
Total.....	186,566	4,130	190,696		8,106,000
SHIPMENTS, COASTWISE.					
Animal and animal products, except wool and hair.....			1,609		461,000
Fish (prawn).....		1,569		361,000	
Boots and shoes.....		40		100,000	
Other vegetable products, except fibers and wood.....			18,794		2,342,000
Turpentine.....		3,110		1,400,000	
Rosin.....		15,684		942,000	
Textiles.....			1,386		1,062,000
Cotton.....		1,314		882,000	
Dry goods.....		72		180,000	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Wood products.....			88,405		\$1,271,000
Lumber.....	48,655			\$784,000	
Cross-ties.....	24,235			326,000	
Logs.....	9,000			100,000	
Piling.....	6,515			61,000	
Nonmetallic minerals: Fuel oil.....	31,051		31,051	1,591,000	1,591,000
Ores, metals, and manufactures, except machinery and vehicles.....			2,186		934,000
Pipe, iron.....	1,993			837,000	
Aluminum.....		193		97,000	
Unclassified.....		250	250	195,000	195,000
Total.....	121,449	22,232	143,681		7,856,000
Total receipts and shipments.....	308,015	26,362	334,377		15,962,000

LOCAL.

RECEIPTS.					
Animal and animal products, except wool and hair.....			9,213		\$535,000
Hides.....		39		\$18,000	
Prawn.....	4,960			252,000	
Do.....		450		89,000	
Fish.....	627			93,000	
Do.....		107		31,000	
Cattle.....		180		36,000	
Oyster shells.....	2,834			9,000	
Meats.....		16		7,000	
Vegetable food products.....			6,262		290,000
Hay.....		6,154		277,000	
Grain.....		56		5,000	
Cotton seed.....		40		3,000	
Groceries.....		12		5,000	
Other vegetable products, except fibers and wood.....			4,839		747,000
Rosin.....		3,852		303,000	
Turpentine.....		987		444,000	
Textiles: Cotton.....		114	114	51,000	51,000
Wood products.....			103,283		1,882,000
Lumber.....	52,681			1,100,000	
Cross-ties.....	21,976			321,000	
Piling ¹	3,304			77,000	
Cordwood.....	400			2,000	
Oak blocks.....	1,250			25,000	
Logs ¹	23,672			357,000	
Ores, metals, and manufactures, except machinery and vehicles: Iron.....		150	150	14,000	14,000
Machinery and vehicles.....			203		301,000
Automobiles.....		200		300,000	
Wagons.....		3		1,000	
Unclassified.....		309	309	23,000	23,000
Total.....	111,704	12,669	124,373		3,843,009
SHIPMENTS.					
Animal and animal products, except wool and hair.....			615		\$18,000
Hides.....	6			3,000	
Prawn.....	578			166,000	
Fish.....	7			1,000	
Boots and shoes.....	19			48,000	
Live stock.....	5			1,000	
Vegetable food products.....			2,746		554,000
Groceries.....	971			398,000	
Hay.....	559			25,000	
Grain.....	891			78,000	
Flour.....	132			17,000	
Sugar.....	42			8,000	
Canned vegetables.....	151			28,000	

¹ These "local" tables comprising commerce from and to inland ports and waterways include floated logs, 26,976 tons; value, \$434,000.

Freight traffic, 1920—Continued.

LOCAL—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons. by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS—continued.					
Other vegetable products, except fibers and wood.....			7		\$7,000
Tobacco.....		5		\$8,000	
Turpentine.....		2		1,000	
Textiles: Dry goods. . .		21	21	51,000	51,000
Wood products.....			11,916		206,000
Crossties.....	4,481			66,000	
Lumber.....	3,510			62,000	
Piling.....	3,905			77,000	
Lumber products.....	20			1,000	
Nonmetallic minerals.....			5,624		192,000
Brick.....	51			1,000	
Fuel oil.....		146		22,000	
Gasoline.....		1,663		74,000	
Kerosene.....		448		16,000	
Lubricating oil.....		286		44,000	
Coal.....	2,930			32,000	
Cement.....		100		2,000	
Ores, metal, and manufactures, except machinery and vehicles.....			60		11,000
Iron pipe.....		1		3,000	
Iron.....		31		3,000	
Tin cans.....		28		5,000	
Machinery and vehicles.....			320		356,000
Automobiles.....		215		323,000	
Wagons.....		77		26,000	
Machinery.....		28		7,000	
Chemicals: Fertilizer.....		125	125	6,000	6,000
Unclassified.....		2,476	2,476	230,000	230,000
Total.....	14,897	9,013	23,910		1,831,000
Total receipts and shipments.....	126,601	21,682	148,283		5,674,000

Freight traffic, 1920—Continued.
SUMMARY.

Classes of commodities.	Foreign.		Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products except wool and hair	4,526	\$1,674,000	50	\$7,000	1,609	\$461,000	9,828	\$753,000
Vegetable food products			6,262	703,000	2,780	1,131,000	9,008	844,000
Other vegetable products except fiber and wood			12,088	2,041,000	18,794	2,342,000	4,846	754,000
Textiles			23,018	15,062,000	2,736	4,437,000	135	102,000
Wood products			69,938	1,206,000	88,405	1,271,000	115,199	2,088,000
Nonmetallic minerals	42,383	763,000	88,246	3,039,000	217,617	5,191,000	5,624	2,192,000
Ores, metals and manufactures except machinery and vehicles	1,745	385,000	25,573	1,388,000	2,186	934,000	210	25,000
Machinery and vehicles	9,842	389,000					523	657,000
Chemicals							125	6,000
Unclassified					250	195,000	2,785	253,000
Total	58,496	3,211,000	225,125	24,446,000	334,377	15,962,000	146,283	5,674,000
							766,281	49,293,000

There were 84,416 passengers carried during the year.

Aside from the general falling off in prices, the decrease in value of 1920 commerce was due principally to the slump in cotton shipments, which is of high ton value, and the increase in tonnage is accounted for by the advent of the oil-refining industry at this port, introducing a new line of traffic of large tonnage but low value as compared with cotton.

Freight traffic, 1920—Continued.

CARGOES IN TRANSIT.

Articles.	Short tons.	Value.
INCOMING, COASTWISE—OUTGOING, FOREIGN.		
Hides.....	7	\$3,360
Cotton.....	1,025	676,665
Lumber and lumber products.....	3,980	50,440
Fuel oil.....	13	1,950
Iron and steel.....	3,358	167,990
Wire.....	4,425	442,500
Wagon, automobiles.....	30	28,906
Phosphate rock.....	25,962	311,784
Coal.....	2,229	22,290
Naval stores.....	2,794	226,745
Unclassified.....	770	577,500
Total.....	44,613	2,510,090
INCOMING AND OUTGOING, COASTWISE.		
Lumber.....	3,238	56,665
Coastwise.....	1,650	26,637
Cotton.....	823	543,510
Naval stores.....	450	536,550
Unclassified.....	2,124	594,000
Total.....	8,285	1,745,362
Total cargoes in transit.....	52,898	3,255,422

The above table represents cargoes and part cargoes on ships entering this port and clearing without unloading same. None of this tonnage has been included in preceding tables.

Vessel classification, 1920.

Arrivals and clearances at the port of Brunswick, Ga., during the calendar year 1920 (as furnished by the collector of customs) were as follows:

Vessels.	Arrived.			Cleared.		
	Number.	Tonnage.	Crew.	Number.	Tonnage.	Crew.
Coastwise:						
Foreign.....	7	22,362	310	2	6,068	90
American.....	66	139,939	2,013	60	106,418	1,747
Foreign ports:						
Foreign.....	29	61,532	732	33	75,860	868
American.....	17	17,950	298	32	55,365	860
Total.....	119	241,783	3,353	127	243,711	3,565

FERNANDINA HARBOR, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1908.....	550,000	\$9,274,000					
1909.....	582,000	11,065,000					
1910.....	578,645	11,471,306					
1911.....	511,133	10,113,836					
1912.....	570,612	9,839,571					
1913.....	552,865	9,697,218					
1914.....	424,544	9,239,082					
1915.....	161,143	2,732,197					
1916.....	140,046	4,783,015			140,046	\$4,783,015	2,309
1917.....	55,701	2,098,843			55,701	2,098,843	2,500
1918.....	212,789	6,467,387	47,100	\$700,250	259,889	7,167,637	2,200
1919.....	473,683	9,361,600			473,683	9,361,600	4,200
1920.....	407,146	7,680,494	1,016	19,200	408,162	7,699,694	900

The navigation season extended throughout the year. A single-screw wooden steamer of about 7½ feet draft made semiweekly trips between Fernandina and Brunswick via the inside route. Ocean-going steam and sailing vessels of draft up to 28.7 feet operated from this port. Tugs and launches, towing rafts and barges, and fleets of motor boats engaged in the shrimp and fish industries operated from Fernandina.

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Chemicals.....		1,952		\$89,300
Nitrate of soda.....	540		\$43,200	
Bones.....	1,412		46,100	
Total.....		1,952		89,300
EXPORTS.				
Lumber and lumber products.....	2,978	2,978	64,000	64,000
Nonmetallic minerals: Coal.....	4,395	4,395	62,900	62,900
Chemicals: Phosphate rock.....	304,534	304,534	4,199,400	4,199,400
Unclassified.....	254	254	104,400	104,400
Total.....		312,161		4,430,700
Total imports and exports.....		314,113		4,520,000

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE.					
Animal and animal products, except wool and hair: Shrimp.....		262	262	\$40,600	\$40,600
Other vegetable products, except fibers and wood: Rosin.....		112	112	15,200	15,200
Wood products: Lumber.....	7,575		7,575	157,500	157,500
Chemicals: Fertilizer.....		1,108	1,108	27,700	27,700
Total.....	7,575	1,482	9,057		241,000

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value-	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, LOCAL.					
Animals and animal products, except wool and hair.....			33,474		\$1,660,800
Shrimp.....	1,506			\$222,600	
Do.....		3,851		1,060,000	
Fish.....	27,900			288,000	
Fish oil.....		194		58,500	
Live stock.....		2		400	
Hides.....		6		2,800	
Boots and shoes.....		15		37,500	
Vegetable food products.....			171		53,100
Hay.....		26		1,200	
Feed.....		21		1,100	
Groceries.....		124		50,800	
Other vegetable products, except fibers and wood.....			246		7,100
Rosin.....		14		800	
Turpentine.....		4		1,800	
Tar.....		228		4,500	
Textiles: Dry goods.....		1	1	2,500	2,500
Wood products.....			24,348		376,494
Lumber.....	22,868			351,194	
Crossties.....	464			6,100	
Piling.....	708			13,000	
Logs.....	308			6,200	
Nonmetallic minerals.....			5,308		86,500
Coal.....	3,357			39,800	
Sand.....	440			2,400	
Lubricating oil.....		10		1,500	
Fuel oil.....		1,501		42,800	
Machinery and vehicles.....			80		46,000
Wagons.....		60		21,000	
Automobiles.....		16		24,000	
Machinery.....		4		1,000	
Chemicals: Fertilizer.....		6,284	6,284	177,700	177,700
Unclassified.....		205	205	56,500	56,500
Total.....	57,551	12,566	70,117		2,475,694
SHIPMENTS, LOCAL.					
Vegetable food products.....			322		17,300
Grain.....		72		6,100	
Hay.....		250		11,200	
Other vegetable products, except fibers and wood.....			219		39,200
Rosin.....		152		9,100	
Turpentine.....		67		30,100	
Textiles: Dry goods.....		2	2	5,000	5,000
Nonmetallic minerals.....					
Coal.....	1,500		3,872	15,000	215,500
Fuel oil.....		1,642		175,000	
Kerosene.....		730		25,500	
Machinery and vehicles: Machinery.....		199	199	11,900	11,900
Unclassified: Ice.....	10,261		10,261	174,100	174,100
Total.....	11,761	3,114	14,875		463,000
Total receipts, shipments.....	69,312	15,680	84,992		2,938,694
Total receipts and shipments, local and coastwise.....	76,887	17,162	94,049		3,179,694

These local tables comprise commerce from and to inland ports and waterways and include floated logs, 1,016 tons, value \$19,200.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.					
	Imports.		Exports.		Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....					262	\$40,600	33,474	\$1,669,800	33,736	\$1,710,400
Vegetable food products.....							463	70,400	463	70,400
Other vegetable products, except fibers and wood.....					112	15,200	465	46,300	577	61,500
Textiles.....							3	7,500	3	7,500
Wood products.....			2,978	\$64,000	7,575	157,500	24,348	376,494	34,901	597,994
Nonmetallic minerals.....			4,395	62,900			9,180	302,000	13,575	364,900
Machinery and vehicles.....							279	57,900	279	57,900
Chemicals.....	1,952	\$89,300	304,534	4,199,400	1,108	27,700	6,284	177,700	313,578	4,494,100
Unclassified.....			254	104,400			10,466	230,600	10,720	335,000
Total.....	1,952	89,300	312,161	4,430,700	9,057	241,000	84,992	2,933,694	408,162	7,699,694

Vessel Classification, 1920.

Arrivals and clearances at the port of Fernandina, Fla., during the calendar year 1920, (as furnished by the collector of customs), were as follows:

Vessels.	Arrived.			Cleared.		
	Number.	Tonnage.	Crew.	Number.	Tonnage.	Crew.
Coastwise:						
Foreign.....	19	48,440	676	11	32,376	434
American.....	26	96,630	1,137	24	89,159	1,047
Foreign ports:						
Foreign.....	18	28,925	474	23	45,573	699
American.....	12	23,067	233	12	34,066	436
Total.....	75	197,062	2,520	69	201,174	2,586

Passengers carried, 900.

JACKSONVILLE, FLA., DISTRICT.

ST. JOHNS RIVER, JACKSONVILLE TO THE OCEAN.¹*Comparative statement of traffic.*

Year.	Tons.		Value.	Passen- gers.	Year.	Tons.		Value.	Passen- gers.
	General merchan- dise.	Floated logs.				General merchan- dise.	Floated logs.		
1916.....	2,118,417	75	\$66,329,356	76,558	1919.....	1,667,827	4,400	\$134,664,391	31,613
1917.....	1,628,393	83,860	87,674,155	53,437	1920.....	2,504,488	3,002	135,102,139	67,513
1918.....	1,459,556	31,463	99,909,781	32,290					

¹ Includes some traffic in transit on St. Johns River to and from points above Jacksonville.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages: Peanuts.....	1,120	1,120	\$179,200	\$179,200
Wood and paper: Logwood.....	73	73	5,840	5,840
Nonmetallic minerals.....		195,143		2,933,803
Glass.....	30		24,000	
Iron pyrites.....	6,180		61,800	
Oils—				
Crude.....	157,045		1,483,210	
Petroleum products.....	23,615		1,187,774	
Salt.....	5,964		119,280	
Sulphur.....	2,309		57,739	
Chemicals.....		192,168		9,752,528
Bone meal.....	374		14,960	
Fertilizer.....	2,550		130,285	
Fertilizer material.....	83,094		3,343,233	
Kainit.....	18,955		724,844	
Nitrate of soda.....	85,105		5,461,876	
Tankage.....	2,090		77,330	
Total.....		388,504		12,871,371
EXPORTS.				
Animals and animal products, except wool and hair.....		290		61,700
Live stock, hogs.....	286		57,200	
Shoes.....	4		4,500	
Vegetable food products, oil seeds, expressed oils, and beverages.....		7,691		928,530
Coffee.....	122		51,000	
Flour.....	5,465		753,750	
Grain.....	2,070		121,140	
Vegetables—				
Potatoes, Irish.....	16		1,110	
Other vegetables.....	18		1,530	
Other vegetable products, except fibers and wood.....		59,402		10,562,502
Naval stores—				
Rosin.....	40,951		5,079,720	
Turpentine.....	17,834		5,332,714	
Turpentine case.....	71		19,738	
Tar and pitch.....	473		18,880	
Tobacco.....	73		111,450	
Textiles.....		977		911,200
Cotton, upland.....	425		255,000	
Cotton, Sea Island.....	532		638,000	
Cotton, linters.....	10		3,200	
Dry goods, etc.....	10		15,000	
Wood and paper.....		214,942		5,010,752
Furniture.....	106		42,200	
Lumber—				
Crate material.....	915		20,500	
Cross ties.....	36,308		439,996	
Oak.....	293		5,880	
Pine.....	170,814		4,405,298	
Poles.....	1,713		25,695	
Staves, barrel.....	489		9,780	
Pine piling, creosoted.....	1,500		14,575	
Pine lumber, creosoted.....	2,150		42,000	
Cross ties, creosoted.....	654		4,728	
Nonmetallic minerals.....		45,180		443,727
Brick.....	8,126		48,756	
Cement.....	4,422		66,330	
Coal.....	32,412		323,866	
Fuller's earth.....	200		4,375	
Salt.....	20		400	
Ores, metals, and manufactures, except machinery and vehicles.....		63,572		6,844,692
Barbed wire.....	4,748		569,760	
Cast-iron pipe.....	2,353		142,980	
Manufactured iron.....	46,590		4,650,000	
Nails.....	1,014		101,400	
Railroad supplies.....	3,648		1,319,100	
Tin plates.....	189		52,452	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Machinery and vehicles.....		2,293		\$1,258,650
Automobiles.....	641		\$1,011,000	
Machinery.....	1,632		247,650	
Chemicals.....		155,491		2,108,788
Fertilizer.....	655		39,300	
Fertilizer material.....	4,470		244,000	
Phosphate, rock.....	150,341		1,811,523	
Paints.....	25		13,965	
Unclassified.....		2,601		520,680
Canned goods.....	34		7,480	
Miscellaneous.....	2,567		513,200	
Total.....		552,439		28,651,221
Total imports and exports.....		940,943		41,522,502

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair: Live stock, horses.....		7	7	\$2,100	\$2,100
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			8,830		1,214,100
Flour.....		1,432		179,000	
Grain.....		3,968		238,080	
Packing-house products.....		116		34,800	
Sugar.....		3,314		762,220	
Other vegetable products, except fibers and wood.....			811		105,756
Naval stores—					
Rosin.....		625		75,000	
Turpentine.....		172		30,616	
Battling dross.....		14		140	
Textiles: Dry goods.....		519	519	778,500	778,500
Wood and paper.....			2,319		175,584
Furniture.....		60		24,000	
Paper.....		1,247		141,840	
Pine piles, floated.....	1,012			6,744	
Nonmetallic minerals.....			467,468		23,883,298
Cement.....		15,506		232,590	
Coal.....	48,293			471,046	
Oils, etc.—					
Fuel.....	67,208			573,513	
Gasoline.....	216,675			16,250,625	
Grease.....	532			106,441	
Kerosene.....	50,716			2,343,079	
Lubricating.....	16,098			1,32,036	
Petroleum products.....	49,287			2,499,027	
Wax, paraffin.....	46			9,266	
Sulphur.....	3,107			77,675	
Ores, metals, and manufactures, except machinery and vehicles.....			8,725		863,500
Manufactured iron.....		8,106		801,600	
Nails.....		619		61,900	
Machinery and vehicles.....			1,700		2,240,000
Automobiles.....		1,500		2,250,000	
Machinery.....		200		60,000	
Chemicals.....			6,279		423,078
Fertilizer material.....	2,994			16,278	
Kainite.....	3,285			262,800	
Unclassified.....			36,077		7,258,500
Canned goods.....		4,968		1,052,540	
Miscellaneous.....		31,109		6,216,000	
Total.....	459,253	73,482	532,735		37,004,476

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair.....			227		\$255,730
Bacon.....		36		\$18,000	
Hides and skins.....		64		96,000	
Meats, smoked.....		59		41,712	
Sponges.....		50		100,000	
Shell.....		18		18	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			17,312		1,843,825
Flour.....		119		14,875	
Fruits—					
Apples.....		21		2,265	
Coconuts.....		160		21,830	
Oranges.....		8,680		651,012	
Other fruit.....		2,573		194,970	
Grain.....		1,027		61,620	
Hay.....		118		4,720	
Molasses.....		8		622	
Peanuts.....		34		5,440	
Rice.....		75		19,500	
Soft drink.....		16		560	
Sugar.....		201		46,230	
Sirup.....		29		6,670	
Vegetables—					
Cabbage.....		7		336	
Pineapples.....		42		4,488	
Potatoes, Irish.....		589		42,106	
Potatoes, sweet.....		14		1,400	
Other vegetables.....		3,619		765,241	
Other vegetable products, except fiber and wood.....			137,485		26,874,871
Cigars.....		250		2,291,100	
Drugs, etc.....		4		10,000	
Naval stores—					
Rosin.....		106,374		12,764,910	
Turpentine.....		29,092		9,196,171	
Plants and shrubs.....		175		52,500	
Tar and pitch.....		998		14,890	
Tobacco.....		592		2,545,300	
Textiles.....			1,594		2,263,581
Cotton, upland.....		50		30,000	
Cotton, sea island.....		1,405		2,185,561	
Cotton, linters.....		138		43,520	
Dry goods.....		3		4,500	
Wood and paper.....			648,190		12,379,826
Doors and sash.....		116		4,600	
Logs—					
Florida cedar.....		300		21,000	
Pine, floated.....	1,250			33,750	
Lumber—					
Crate material.....		72		30,000	
Cross ties.....	186,394			2,250,155	
Cypress.....	21,812			172,344	
Pine.....	439,246			9,867,977	
Nonmetallic minerals.....			8,399		235,026
Cement.....		79		1,185	
Fuller's earth and clay.....		8,234		231,290	
Lime.....		12		250	
Oils—					
Gasoline.....		11		825	
Kerosene.....		8		376	
Salt.....		55		1,100	
Ores, metals, and manufactures, except machinery and vehicles.....			8,114		1,461,560
Barbed wire.....		5		600	
Manufactured iron.....		6		600	
Nails.....		60		7,200	
Railroad supplies.....		6,100		1,220,000	
Wire and wire fencing.....		1,943		233,160	
Machinery and vehicles: Automobiles.....		570	570	855,000	855,000

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Chemicals.....			5,581		\$113,310
Fertilizer.....		1,352		\$83,890	
Paints.....		4		2,290	
Phosphate, rock.....		43		2,150	
Phosphate, pebble.....	4,182			25,080	
Unclassified.....			10,551		1,911,800
Canned goods.....		948		208,560	
Groceries.....		9		1,800	
Mine products, n. o. s.....		1,144		11,440	
Miscellaneous.....		8,450		1,690,000	
Total.....	651,884	186,139	838,023		48,194,529
Total receipts and shipments.....	1,111,137	259,621	1,370,758		85,199,005
INTERNAL, UPBOUND.					
Animals and animal products, except wool and hair.....			9,924		395,084
Bacon.....		136		67,500	
Fish.....	9,774			318,404	
Meats, smoked.....		11		8,250	
Oil, linseed.....		3		930	
Vegetable food products, oil seeds, ex- pressed oils and beverages.....			5,057		419,213
Cottonseed meal.....		10		600	
Flour.....		528		67,062	
Fruit—					
Apples.....		8		750	
Bananas.....		5		200	
Other fruit.....		10		900	
Grain.....		3,773		226,390	
Hay.....		210		8,406	
Rice.....		25		6,500	
Soft drinks.....		19		665	
Sugar.....		465		106,950	
Sirup.....		4		800	
Other vegetable products, except fibers and wood.....			30		82,700
Citrus.....		11		57,200	
Drugs, etc.....		6		3,000	
Tobacco.....		13		22,500	
Textiles: Dry goods.....		19	19	28,500	28,500
Wood and paper.....			474		54,765
Doors, sash, etc.....		420		43,680	
Furniture.....		25		10,000	
Lumber:					
Crate material.....		24		960	
Staves, barrel.....		5		125	
Nonmetallic minerals.....			360		20,219
Brick.....		8		60	
Cement.....		57		1,036	
Coal.....		30		450	
Lime.....		18		360	
Oils—					
Gasoline.....		25		1,875	
Kerosene.....		5		235	
Machine.....		192		15,703	
Salt.....		25		500	
Ores, metals and manufactures, except machinery and vehicles.....			620		108,000
Cast-iron pipe.....		100		6,000	
Hardware.....		500		100,000	
Nails.....		20		2,000	
Machinery and vehicles.....			81		72,000
Automobiles.....		31		62,000	
Machinery.....		50		10,000	
Chemicals.....			1,126		95,884
Fertilizer.....		1,121		92,884	
Paints.....		5		3,000	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
INTERNAL, UPBOUND—continued.					
Unclassified.....			18,212		\$2,473,505
Canned goods.....		749		\$164,560	
Groceries.....		24		4,800	
Ice.....		177		1,416	
Miscellaneous.....		17,262		2,302,729	
Total.....	9,774	26,129	35,903		3,749,870
INTERNAL, DOWNBOUND.					
Animals and animal products, except wool and hair.....			21,052		195,210
Eggs.....		3		1,500	
Fish.....		985		150,400	
Hides and skins.....		6		9,000	
Live stock—					
Cattle.....		10		1,160	
Hogs.....		3		600	
Horses.....		17		4,250	
Mules.....		28		8,300	
Shell.....	20,000			20,000	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			6,851		447,263
Fruit:					
Grapefruit.....		967		48,678	
Oranges.....		1,904		95,410	
Other fruit.....		18		720	
Grain.....		50		3,000	
Hay.....		50		2,000	
Vegetables—					
Cabbage.....		22		924	
Celery.....		163		22,907	
Lettuce.....		25		1,486	
Potatoes, Irish.....		3,500		259,038	
Potatoes, sweet.....		116		10,170	
Tomatoes.....		11		912	
Other vegetables.....		25		2,018	
Other vegetable products, except fibers and wood.....			724		117,905
Naval stores—					
Pine oil.....		6		1,125	
Rosin.....		536		64,320	
Turpentine.....		182		52,460	
Textiles: Wool.....		6	6	3,600	3,600
Wood and paper.....			123,554		3,290,846
Logs:					
Cypress, floated.....	240			1,380	
Pine, floated.....	500			3,125	
Lumber:					
Cross-ties.....	1,400			14,000	
Cypress.....	8,126			250,046	
Lath and shingles.....		7		115	
Pine.....	113,281			3,022,180	
Nonmetallic minerals.....			1,991		102,385
Cement.....		25		375	
Oils, etc.—					
Crude.....	619			5,280	
Gasoline.....	1,013			75,975	
Grease.....	4			800	
Kerosene.....	180			8,460	
Do.....		23		1,081	
Lubricating oil.....	127			10,414	
Machinery and vehicles: Automobiles.....		30	30	60,000	60,000
Unclassified.....			5,678		413,463
Groceries.....		60		12,000	
Ice.....		125		1,000	
Miscellaneous.....		3,093		400,163	
Water.....		2,400		300	
Total.....	145,490	14,396	159,886		4,630,672
Total upbound and downbound.....	155,264	40,525	195,789		8,340,542

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.		Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Local.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			280	\$61,700	224	\$257,830	30,976	\$590,294
Vegetable food products, oil seeds, expressed oils, and beverages.....	1,120	\$179,200	7,661	928,530	26,142	3,057,925	11,906	866,476
Other vegetable products, except fibers and wood.....			59,402	10,562,502	138,296	26,980,627	754	200,605
Textiles.....			59,977	911,200	2,113	3,042,081	25	32,100
Wood and paper.....			214,942	5,010,752	650,509	12,555,410	124,028	3,345,611
Nonmetallic minerals.....	73	5,840	45,180	443,727	475,867	24,118,324	2,351	122,604
Ores, metals and manufactures except machinery and vehicles.....	195,143	2,833,803	63,572	6,814,692	16,839	2,325,060	620	108,000
Machinery and vehicles.....			2,293	1,258,650	2,270	3,145,000	111	132,000
Chemicals.....	192,168	9,752,528	145,491	2,108,788	11,860	536,388	1,126	85,834
Unclassified.....			2,601	520,680	46,628	9,180,360	23,890	2,896,968
Total.....	388,504	12,871,371	552,439	28,651,221	1,370,758	85,199,005	195,789	8,380,512
							2,507,490	135,102,139

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers.....	3,856	22	3,878	3,753,661	57,874
Motor boats.....	2,036		2,036	40,874	7,819
Sail boats.....	46	22	68	65,706	
Barges.....	23		23	39,650	
Unregistered:					
Motor boats.....	3,500		3,500	15,750	1,820
Lighters.....	1,682		1,682	301,700	
Rafts.....	24		24	3,002	
Total.....	11,172	44	11,216	4,220,343	67,513

The above includes both arrivals and departures. In addition, ferry boats carried approximately 2,913,791 passengers and 318,230 automobiles and teams. It is further estimated that about 50 steamers, aggregating 150,000 net tons, put into this port for bunker oil and minor repairs; accurate data is not available.

ST. JOHNS RIVER, FLA., JACKSONVILLE TO PALATKA.¹*Comparative statement of traffic.*

Year.	Tons.		Value.	Passengers.	Year.	Tons.		Value.	Passengers.
	General merchandise.	Floated logs.				General merchandise.	Floated logs.		
1916....	95,350	91,987	\$3,396,959	36,754	1919....	113,570	48,501	\$4,870,878	51,274
1917....	86,512	88,097	3,772,387	30,740	1920....	84,637	45,861	5,149,881	30,659
1918....	79,703	31,474	3,070,941	58,326					

¹ Includes some traffic pertaining to St. Johns River, Jacksonville to the ocean, and Palatka to Lake Harney.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

*Freight traffic.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.							
Animals and animal products, except wool and hair.....			41		\$23,250	<i>Miles.</i>	<i>Cents.</i>
Bacon.....		30		\$15,000		55	
Meats, smoked.....		11		8,250		55	
Vegetable food products, oil seeds, expressed oils, and beverages.....			3,828		263,461		
Cottonseed meal.....		10		600		55	
Flour.....		430		53,750		55	5.4
Fruit.....							
Apples.....		8		750		55	4.5
Bananas.....		5		200		55	4.5
Other fruit.....		11		975		55	4.5
Grain.....		3,103		186,180		55	2.0
Hay.....		210		8,408		55	2.1
Oil, linseed.....		3		230		55	
Rice.....		25		6,500		55	7.2
Sugar.....		19		4,370		55	
Sirup.....		4		800		55	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
UPBOUND—continued.							
Other vegetable products, except fibers and wood			30		\$32,700	Miles.	Cents.
Cigars		11		\$57,200		55	
Drugs, etc.		6		3,000		55	
Tobacco		13		22,500		55	
Textiles: Dry goods		19	19	28,500	28,500	55	
Wood and paper			27,595		219,568		
Doors, sash, etc.		420		43,680		55	3.6
Furniture		25		10,000		55	
Logs—							
Cypress, floated	6,928			40,749			
Pine, floated	20,193			124,054			
Lumber—							
Crate material		24		960		55	3.6
Staves, barrel		5		125		55	
Nonmetallic minerals			230		9,641		
Brick		8		60		55	
Cement		57		1,036		55	3.4
Coal		30		450		55	
Lime		18		360		55	
Oils—							
Gasoline		25		1,875		55	
Kerosene		5		235		55	
Machine		62		5,125		55	
Salt		25		500		55	
Ores, metals, and manufac- tures except machinery and vehicles			620		108,000		
Cast-iron pipe		100		6,000		55	
Hardware		500		100,000		55	7.2
Nails		20		2,000		55	7.2
Machinery and vehicles			81		72,000		
Automobiles		31		62,000		55	7.2
Machinery		50		10,000		55	7.2
Chemicals			1,146		93,460		
Fertilizer		1,141		90,460		55	2.0
Paints		5		3,000		55	
Unclassified			16,219		2,194,795		
Canned goods		105		23,100		55	5.4
General merchandise		540		88,000		55	7.2
Groceries		24		4,900		55	5.4
Ice		177		1,416		55	
Miscellaneous		15,373		2,077,479		55	7.2
Total	27,121	22,688	49,809		3,095,375		
DOWNBOUND.							
Animals and animal prod- ucts, except wool and hair			21,012		171,210		
Eggs		3		1,500		55	
Fish		945		126,400		55	5.4
Hides and skins		6		9,000		55	
Live stock—							
Cattle		10		1,160		55	
Hogs		3		600		55	
Horses		17		4,250		55	
Mules		28		8,300		55	
Shell		20,000		20,000		55	
Vegetable food products, oil seeds, expressed oils, and beverages			6,715		439,513		
Cotton seed		8		240		55	
Flour		4		500		55	5.4
Fruit—							
Grape/fruit		967		48,678		55	4.5
Oranges		1,904		95,410		55	4.5
Grain		15		900		55	2.0
Hay		10		400		55	2.1

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
DOWNBOUND—continued.							
Vegetable food products, oil seeds, expressed oils, and beverages—Contd.						Miles.	Cents.
Vegetables—							
Cabbage.....		22		\$924		55	7.2
Celery.....		183		22,907		55	7.2
Lettuce.....		25		1,486		55	7.2
Potatoes, Irish.....		3,500		259,038		55	7.2
Potatoes, sweet.....		61		6,100		55	7.2
Tomatoes.....		11		912		55	7.2
Other vegetables.....		25		2,018		55	7.2
Other vegetable products, except fibers and wood.....			724		\$117,905		
Naval stores—							
Pine oil.....		6		1,125		55	
Rosin.....		536		64,320		55	
Turpentine.....		182		52,460		55	
Textiles: Wool.....		6	6	3,600	3,600	55	
Wood and paper.....			49,801		942,439		
Logs—							
Cypress, floated.....	240			1,380		55	
Pine, floated.....	18,500			103,125		55	
Lumber—							
Crossties.....	1,400			14,000		55	
Cypress.....	8,126			250,046		55	
Pine.....	21,523			573,663		55	
Lath and shingles.....		12		195		55	3.6
Nonmetallic minerals: Oil, kerosene.....		3	3	141	141	55	
Machinery and vehicles:							
Automobiles.....		30	30	60,000	60,000	55	7.2
Chemicals: Fertilizer.....		5	5	300	300	55	2.0
Unclassified.....			2,393		319,398		
Groceries.....		4		800		55	5.4
Ice.....		15		120		55	
Miscellaneous.....		2,374		318,478		55	7.2
Total.....	49,789	30,900	80,689		2,054,506		
Total upbound and downbound.....	49,789	80,709	130,498		5,149,881		

SUMMARY.

Classes of commodities.	Amount in short tons.				Total.	
	Upbound.		Downbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	41	\$23,250	21,012	\$171,210	21,053	\$194,460
Vegetable food products, oil seeds, expressed oils, and beverages.....	3,828	263,461	6,715	439,513	10,543	702,974
Other vegetable products, except fibers and wood.....	30	82,700	724	117,905	754	200,605
Textiles.....	19	28,500	6	3,600	25	32,100
Wood and paper.....	27,595	219,568	49,801	942,439	77,396	1,162,007
Nonmetallic minerals.....	230	9,641	3	141	233	9,782
Ores, metals, and manufactures, except machinery and vehicles.....	620	108,000			620	108,000
Machinery and vehicles.....	81	72,000	30	60,000	111	132,000
Chemicals.....	1,146	93,460	5	300	1,151	93,760
Unclassified.....	16,219	2,194,795	2,393	319,398	18,612	2,514,193
Total.....	49,809	3,065,375	80,689	2,054,506	130,498	5,149,881

Vessel classification, 1920.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Steamers.....	1,476	175,720	28,400
Motor boats.....	952	13,916	1,559
Sail boats.....	14	6,000	.....
Unregistered:			
Motor boats.....	902	1,944	700
Lighters.....	604	86,880	.....
Rafts.....	420	45,861	.....
Total.....	4,368	330,321	30,659

The above includes both arrivals and departures. In addition there are approximately 100 small motor boats on this portion of the river.

ST. JOHNS RIVER, FLA., PALATKA TO LAKE HARNEY.*Comparative statement of traffic.¹*

Year.	Tons.		Value.	Passengers.	Year.	Tons.		Value.	Passengers.
	General merchandise.	Floated logs.				General merchandise.	Floated logs.		
1916....	37,566	86,314	\$2,631,975	29,927	1919....	51,635	123,582	\$3,472,271	40,680
1917....	29,026	79,243	1,398,809	23,670	1920....	41,984	109,023	3,422,277	17,374
1918....	51,254	41,266	2,524,313	20,357					

¹ Includes some traffic pertaining to St. Johns River, Jacksonville to Palatka and Jacksonville to the ocean.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

*Freight traffic.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.							
Vegetable food products, oil seeds, expressed oils, and beverages.			1,387		\$82,602	Miles.	Cents.
Grain.....		1,340		\$80,716		147	1.8
Hay.....		47		1,886		147	2.0
Wood and paper.....			184		14,310		
Crate material.....		69		2,350			
Doors, sash, etc.....		115		11,960			
Nonmetallic minerals.....			171		2,608		
Cement.....		35		700		147	1.3
Coal.....		22		330		147	1.3
Oils:							
Crude.....		112		1,428			
Gasoline.....		2		150			
Machinery and vehicles:							
Automobiles.....		31	31	62,000	62,000	147	4.3
Chemicals: Fertilizer.....		895	895	64,700	64,700	147	1.0

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
UPBOUND—continued.							
Unclassified.....			2, 468		\$321, 592	Miles.....	Cents.....
Ice.....		212		\$1, 696		Local.....	
Miscellaneous.....		2, 256		319, 896		147	5.0
Total.....		5, 136	5, 136		547, 812		
DOWNBOUND.							
Animals and animal prod- ucts, except wool and hair			20, 975		155, 265		
Fish.....		937		125, 020		147	1.0
Live stock.....						147	5.0
Cattle.....		4		720		147	5.0
Hogs.....		2		400		147	5.0
Horses.....		12		3, 125		147	5.0
Mules.....		20		6, 000		147	5.0
Shell.....		20, 000		20, 000		115	
Vegetable food products, oil seeds, expressed oils, and beverages.....			3, 984		215, 340		
Fruit—							
Grape fruit.....		1, 338		66, 906		147	1.7
Oranges.....		2, 182		109, 370		147	1.7
Vegetables—							
Cabbage.....		17		684		147	2.7
Celery.....		163		22, 907		147	2.7
Lettuce.....		25		1, 486		147	2.7
Potatoes, Irish.....		237		12, 116		147	6.4
Tomatoes.....		11		912		147	2.7
Other vegetables.....		11		959		147	2.7
Other vegetable products, except fibers and wood.....			396		62, 340		
Naval stores—							
Rosin.....		314		37, 680		147	1.3
Turpentine.....		82		24, 660		147	2.0
Wood and paper.....			109, 023		662, 822		
Logs—							
Cypress, floated.....	68, 686			414, 529		20	
Pine, floated.....	40, 337			248, 293		20	
Machinery and vehicles:							
Automobiles.....		31	31	62, 000	62, 000	147	4.3
Unclassified: Miscellaneous.		11, 242	11, 242	1, 680, 058	1, 680, 058	147	5.0
Total.....	109, 023	36, 628	145, 651		2, 837, 825		
Total upbound and downbound.....	109, 023	41, 764	150, 787		3, 385, 637		
LOCAL.							
Animals and animal prod- ucts, except wool and hair: Fish.....	220		220	36, 640	36, 640		

The average haul and rate per ton-mile apply to through traffic to and from Jacksonville.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.						Total.	
	Up bound.		Down bound.		Local.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.			20,975	\$155,265	220	\$36,640	21,195	\$191,905
Veg table food products, oil seeds, expressed oils and beverages.	1,387	\$82,602	3,984	215,340			5,371	297,942
Other vegetable products, except fibers and wood.			396	62,340			396	62,340
Wood and paper.	184	14,310	109,023	662,822			109,207	677,132
Nonmetallic minerals.	171	2,608					171	2,608
Machinery and vehicles.	31	62,000	31	62,000			62	124,000
Chemicals.	895	64,700					895	64,700
Unclassified.	2,468	321,592	11,242	1,680,058			13,710	2,001,650
Total.	5,136	547,812	145,651	2,837,825	220	36,640	151,007	3,422,277

Vessel Classification, 1920.

Classes.	Number.	Net registered tonnage.	Passengers
AMERICAN.			
Registered:			
Steamers.	622	131,666	14,974
Motor boats.	2,110	16,986	2,400
Unregistered:			
Motor boats.	518	1,554	
Lighters.	68	4,080	
Rafts.	1,136	109,023	
Total.	4,454	266,309	17,374

The above includes both arrivals and departures. In addition there are about 50 small boats on this portion of the river.

LAKE CRESCENT AND DUNNS CREEK, FLA.

Comparative statement of traffic.

Year.	Tons.		Value.	Passengers.	Year.	Tons.		Value.	Passengers.
	General merchandise.	Floated logs.				General merchandise.	Floated logs.		
1916.	10,396	8,806	\$491,148	2,025	1919.	3,628	52,824	\$517,112	2,454
1917.	6,696	8,541	526,592	3,050	1920.	3,509	49,993	626,687	1,724
1918.	4,450	6,358	366,070	4,736					

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Pack- age.		By com- modities.	By classes.		
UPBOUND.							
Vegetable food products, oil seeds, expressed oils, and beverages: Grain.....		16	16	\$1,276	\$1,276	Miles. 78	Cents. 2.5
Wood and paper: Lumber, crate material.....		30	30	750	750	78	.....
Chemicals: Fertilizers.....		345	345	20,700	20,700	78	2.5
Unclassified: General merchandise.....		848	848	113,696	113,696	78	8.7
Total.....		1,239	1,239		136,422		.....
DOWNBOUND.							
Vegetables food products, oil seeds, expressed oils, and beverages.....			2,120		\$176,210		
Grapefruit.....		715		\$35,750		78	3.2
Oranges.....		1,249		62,460		78	3.2
Potatoes, Irish.....		156		78,000		78	3.2
Wood and paper.....			49,993		297,797		
Cypress logs.....	46,900			281,800		20	
Pine logs.....	3,093			15,997		20	
Unclassified: General merchandise.....		150	150	16,258	16,258	78	8.7
Total.....	49,993	2,270	52,263		490,265		
Total upbound and downbound.....	49,993	3,509	53,502		626,687		

The average haul and rate per ton-mile apply to through traffic between Crescent City and Jacksonville over Dunns Creek and St. Johns River.

SUMMARY.

Classes of commodities.	Up bound.		Down bound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products, oil seeds, expressed oils, and beverages.....	16	\$1,276	2,120	\$176,210	2,136	\$177,486
Wood and paper.....	30	750	49,993	297,797	50,023	298,547
Chemicals.....	345	20,700			345	20,700
Unclassified.....	848	113,696	150	16,258	998	129,954
Total.....	1,239	136,422	52,263	490,265	53,502	626,687

Vessel classification, 1920.

Classes.	Number.	Net registered tonnage.	Passengers
AMERICAN.			
Registered:			
Steamers.....	108	42,660	324
Motor boats.....	720	7,200	600
Unregistered:			
Motor boats.....	1,610	4,961	800
Lighters.....	150	9,000	
Rafts.....	493	49,993	
Total.....	3,081	113,814	1,724

The above includes both arrivals and departures. In addition there are approximately 25 motor boats on the lake.

OKLAWAHA RIVER, FLA.*Comparative statement of traffic.*

Year.	Tons.			Value.	Passengers.
	General merchandise.	Ferry.	Floated logs.		
1916.....	4,480	3,327	8,057	\$393,816	8,262
1917.....	2,363	1,715	7,306	417,457	4,234
1918.....	300	1,131	4,290	211,397	2,451
1919.....	2,800	1,250	8,063	452,872	1,500
1920.....	2,862	(1)	7,411	216,509	1,000

¹ See separate table.

² Value of ferry traffic not included.

³ Estimated.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
UPBOUND.					
Vegetable food products, oil seeds, ex- pressed oils and beverages.....			2,360		\$157,500
Fruits—					
Grapefruit.....		160		\$10,000	
Oranges.....		2,200		147,500	
Total.....		2,360	2,360		157,500
DOWNBOUND.					
Vegetable food products, oil seeds, ex- pressed oils and beverages: Grain.....		2	2	120	120
Wood and paper.....			7,711		46,069
Logs—					
Cypress, floated.....	1,592			10,746	
Pine, floated.....	5,819			33,723	
Wood, fuel.....	300			1,600	
Nonmetallic minerals: Gasoline.....		2	2	150	150
Chemicals: Fertilizer.....		188	188	10,670	10,670
Unclassified: General merchandise.....		10	10	2,000	2,000
Total.....	7,711	202	7,913		59,000
Total upbound and downbound.....	7,711	2,562	10,273		216,500

Freight traffic, 1920—Continued.

FERRY TRAFFIC.

Commodities.	Short tons.	Value.	Commodities.	Short tons.	Value.
Barbed wire.....	10	\$1,200	Hay.....	20	\$700
Bacon, salt.....	7	3,500	Lime.....	25	500
Canned goods.....	50	10,000	Lumber.....	10	267
Cement.....	75	1,125	Crate material.....	5	125
Doors, sash, etc.....	20	6,000	Machinery.....	10	1,500
Drugs, etc.....	15	15,000	Meats, smoked.....	10	7,000
Dry goods.....	25	37,500	Miscellaneous.....	5	1,760
Fertilizer.....	480	23,800	Nitrate of soda.....	10	640
Flour.....	60	8,400	Oil, machine.....	10	820
Furniture.....	10	6,000	Paints.....	5	3,000
Fruits:			Rice.....	5	1,300
Apples.....	25	2,000	Salt.....	20	400
Grapefruit.....	150	11,250	Sugar.....	35	5,950
Oranges.....	150	11,250	Sirup.....	20	4,600
Other fruit.....	6	205	Vegetables.....	30	2,090
Grain.....	200	12,000			
Groceries.....	200	40,000	Total.....	1,803	244,882
Hardware.....	100	20,000			

The logs are rafted over the lower 50 miles of the river into the St. Johns River; the ferry traffic is across Lake Eustis at Eustis; the balance of the freight is confined to a few miles of the upper river and Lake Griffin. There are no rates on the river.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products, oil seeds, expressed oils and beverages.....	2,360	\$157,500	2	\$120	2,362	\$157,620
Wood and paper.....			7,711	46,069	7,711	46,069
Nonmetallic minerals.....			2	150	2	150
Chemicals.....			188	10,670	188	10,670
Unclassified.....			10	2,000	10	2,000
Total.....	2,360	157,500	7,913	59,009	10,273	216,509

General ferry, short tons, 1,803; value, \$244,882.

Vessel classification, 1920.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered motorboats.....	920	18,240	1,000
Unregistered:			
Motorboats.....	210	630	
Rafts.....	75	7,411	
Total.....	1,205	26,281	1,000

¹ Estimated.

The above includes both arrivals and departures. In addition there are approximately 400 small motorboats on the river and upper lakes.

INDIAN RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.		Value.	Passen- gers.	Year.	Tons.		Value.	Passen- gers.
	General mer- chandise.	Ferry.				General mer- chandise.	Ferry.		
1916....	9,472	26,860	\$1,793,840	5,053	1919....	1,623	7,992	\$1,101,840	5,800
1917....	10,753	41,414	1,295,018	9,000	1920....	6,902	(1)	742,633	5,360
1918....	1,643	6,092	976,982	5,675					

¹ See table below.² Value of general ferry traffic not included.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
INTERNAL.					
Animals and animal products, except wool and hair.....			4,067		\$529,034
Fish.....	3,337			\$511,034	
Oysters.....	720			18,000	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			1,040		81,000
Grapefruit.....		290		21,000	
Oranges.....		720		54,000	
Tomatoes.....		40		6,000	
Wood and paper: Crate material.....		40	40	1,000	1,000
Nonmetallic minerals.....			1,515		107,599
Oils:					
Gasoline.....	962			72,150	
Do.....		120		9,000	
Kerosene.....	233			10,765	
Do.....		20		924	
Machine.....	180			14,760	
Chemicals: Fertilizer.....		150	150	9,000	9,000
Unclassified: General merchandise.....		100	100	15,000	15,000
Total.....	5,432	1,470	6,902		742,633

GENERAL FERRY.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Cattle, butchered.....	60	\$7,200	Live stock.....	13	\$1,540
Fertilizer.....	305	2,100	Miscellaneous.....	24	3,700
Fruit:			Oils:		
Grapefruit.....	20	1,500	Gasoline.....	3	225
Oranges.....	1,218	91,350	Kerosene.....	1	50
Other fruit.....	2	150	Vegetables:		
Grain.....	7	420	Beans.....	450	60,000
Groceries.....	2	400	Irish potatoes.....	4	296
Hay.....	5	175			
Hides and skins.....	3	1,500	Total.....	2,117	170,646

Of the internal traffic, the oils were carried in private boats from Jacksonville to points on the Indian River, an average haul of 310 miles; the fish and fruit had an average haul of 30 miles. The general ferry traffic was between points on the island and near-by railroad connections. There are no rates on the river.

Vessel classification, 1920.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered motor boats.....	802	9,872	5,210
Unregistered motor boats.....	1,236	2,472	150
Total.....	2,038	12,344	5,360

The above includes both arrivals and departures. In addition there are about 300 launches in the fishing business, and many small motor boats on the river that carry a large amount of freight locally; also many tourist yachts use the river during the winter season.

ST. LUCIE INLET, FLA. (B2).*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1916.....	1,705	\$150,000	1919.....	588	\$123,480
1917.....	322	41,853	1920.....	1,115	133,227
1918.....	720	86,400		.	

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
LOCAL.					
Animals and animal products, except wool and hair: Fish.....	1,115	.....	1,115	\$133,227	\$133,227

Vessel classification.

There were approximately 100 small motor boats in the fishing trade that passed through the inlet very frequently. In addition, numerous private tourist yachts used the inlet frequently in the winter season. This class of commerce did not use the Government channel, which is not yet available.

HARBOR AT MIAMI (BISCAYNE BAY), FLA.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	181,063	\$5,539,640	(1)	1919.....	240,222	\$7,694,098	92,345
1917.....	244,390	6,037,180	4,884	1920.....	333,240	9,008,448	85,450
1918.....	144,479	5,996,640	154,620				

¹ No statistics available.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages.....		566		\$51,132
Bananas.....	386		\$43,132	
Miscellaneous vegetables.....	180		18,000	
Other vegetable products, except fibers and wood: Tar and pitch.....	2	2	20,000	20,000
Nonmetallic minerals: Oil, crude.....	36,000	36,000	324,000	324,000
Total.....		36,568		405,132
EXPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages.....		52		3,700
Grain.....	25		1,200	
Vegetables.....	27		2,500	
Textiles: Mattresses.....	5	5	1,250	1,250
Wood and paper.....		8,007		164,496
Lumber:				
Pine.....	7,477		128,496	
Crate material.....	500		30,000	
Paper.....	30		6,000	
Nonmetallic minerals.....		26		578
Coal.....	24		528	
Lime.....	2		50	
Ores, metals, and manufactures, except machinery and vehicles: Iron pipe and fittings.....	10	10	1,500	1,500
Machinery and vehicles: Automobiles.....	2	2	2,000	2,000
Unclassified.....		184		7,390
Groceries.....	52		5,000	
Ice.....	130		780	
Plumbing supplies.....	2		1,600	
Total.....		8,286		180,904
Total imports and exports.....		44,854		586,036

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair.....			55		\$47,100
Eggs.....		18		\$5,000	
Fish, salt.....		4		1,600	
Leather.....		10		20,000	
Meat and poultry.....		10		8,000	
Meats, smoked.....		13		12,500	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			7,118		\$64,290
Coffee.....		143		71,500	
Flour.....		2,175		304,500	
Fruit—					
Apples.....		336		37,500	
Bananas.....		4		500	
Lemons.....		80		14,000	
Miscellaneous.....		12		1,500	
Grain.....		1,232		96,160	
Molasses.....		2		180	
Peanuts.....		27		3,600	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by clas es.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE—continued.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages—Continued.					
Rice.....		318		\$63,600	
Sugar.....		1,601		261,203	
Sirun.....		83		13,700	
Vegetables—					
Cabbage.....		30		1,600	
Potatoes.....		935		74,557	
Miscellaneous.....		68		8,600	
Vegetables, seed—					
Beans.....		24		8,400	
Peas.....		5		4,200	
Potatoes.....		25		2,640	
Miscellaneous.....		3		10,000	
Water, mineral.....		52		6,350	
Other vegetable products, except fibers and wood.....			223		\$111,500
Drugs.....		215		71,500	
Tobacco.....		8		40,000	
Textiles.....			300		472,108
Cotton linters.....		7		3,000	
Dry goods.....		293		469,108	
Wood and paper.....			1,435		678,785
Furniture.....		600		611,508	
Lumber, shingles.....		62		2,500	
Paper.....		773		64,777	
Nonmetallic minerals.....			21,388		962,310
Asphalt.....		145		20,300	
Marble and tile.....	346			62,280	
Oils:					
Crude.....	12,000			108,000	
Gasoline.....	8,040			720,450	
Kerosene.....	670			38,596	
Machine.....		112		9,184	
Mixed.....		5		2,100	
Salt.....		70		1,400	
Ores, metals, and manufactures, except machinery and vehicles.....			2,679		999,640
Hardware.....		1,922		908,568	
Manufactured iron.....		592		74,572	
Nails.....		165		16,500	
Machinery and vehicles.....			252		282,593
Auto parts and supplies.....		104		190,411	
Bicycles.....		5		3,000	
Machinery.....		143		89,182	
Chemicals: Paints.....		241	241	120,912	120,912
Unclassified.....			6,357		1,713,934
Canned goods.....		2,907		632,127	
Electrical supplies.....		32		55,000	
Groceries.....		2,039		443,156	
Ink.....		4		600	
Miscellaneous.....		1,082		425,496	
Plumbing fixtures, etc.....		293		157,555	
Total.....	21,056	18,992	40,048		6,373,172
SHIPMENTS, COASTWISE.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			1,188		89,250
Fruits—					
Grapefruit.....		720		45,000	
Limes.....		353		27,500	
Oranges.....		80		8,000	
Vegetables, tomatoes.....		35		8,750	
Machinery and vehicles: Machinery.....		20	20	60,000	60,000
Total shipments, coastwise.....		1,208	1,208		149,250
Total receipts and shipments.....	21,056	20,200	41,256		6,522,422

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
LOCAL.					
Animals and animal products, except wool and hair.....			1,736		\$414,725
Bacon.....		2		860	
Butt r.....		1		1,500	
Crabs.....	5			1,000	
Eggs.....		1		425	
Fish.....	1,725			410,000	
Meats, smoked.....		2		1,200	
Vegetable food products, oil seeds, ex- pressed oils and beverages.....			111		1,220
Flour.....		4		520	
Vegetables.....		7		600	
Water, mineral.....		100		100	
Wood and paper.....			14,500		132,500
Lumber.....	5,500			74,000	
Piling.....	8,250			55,000	
Wood, fuel.....	750			3,500	
Nonmetallic minerals.....			207,935		1,265,525
Bricks.....	7			42	
Cement.....		3,007		45,100	
Coal.....	10			300	
Oils—					
Crude.....		4,410		47,000	
Fuel and lubricating.....		21,800		134,000	
Gasoline.....	8,005			717,231	
Kerosene.....	1,667			99,023	
Machin'.....		6		540	
Rock.....	105,523			157,293	
Sand.....	63,500			64,996	
Ores, metals, and manufactures, except machinery and vehicles.....			328		39,800
Hardware.....		25		5,000	
Manufactured iron.....		300		34,500	
Nails.....		3		300	
Unclassified.....			22,520		46,220
Canned goods.....		10		1,900	
General merchandise.....		550		25,000	
Ice.....	1,760			12,320	
Water.....	20,200			7,000	
Total.....	216,902	30,228	247,130		1,899,900

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Local.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....					55	\$47,100	1,736	\$414,725	1,791	\$461,825
Vegetable food products, oil seeds, expressed oils, etc.....	566	\$61,132	52	\$3,700	8,306	1,073,540	111	1,220	9,035	1,139,592
Other vegetables products, except fibers and woods.....	2	20,000			223	111,500			225	131,500
Textiles.....			5	1,250	300	472,108			305	473,358
Wood and paper.....			8,007	164,496	1,435	678,785	14,500	132,500	23,942	975,781
Nonmetallic minerals.....	36,000	324,000	26	578	21,388	962,310	207,935	1,265,525	265,349	2,552,413
Ores, metals, and manufactures, except machinery and vehicles.....			10	1,500	2,679	999,640	328	39,800	3,017	1,040,940
Machinery and vehicles.....			2	2,000	272	342,593			274	344,593
Chemicals.....					241	120,912			241	120,912
Unclassified.....			184	7,380	6,357	1,713,934	22,520	46,220	29,061	1,767,584
Total.....	36,568	405,132	8,286	180,904	41,256	6,522,422	247,130	1,899,900	333,240	9,008,448

Vessel classification, 1920.

Classes.	American.		Foreign.		Total.	Net registered tonnage.	Passengers.
	Foreign trade.	Coastwise trade.	Foreign trade.	Coastwise trade.			
Registered:							
Steamers.....	130	165	18	.....	313	111,687	1,146
Motor boats.....	445	14,557	317	2	15,321	166,570	184,304
Sail boats.....	56	4	194	4	258	20,589	.....
Barges.....	20	.....	3	.....	23	4,367	.....
Unregistered:							
Motor boats.....	.....	15,432	.....	.....	15,432	31,728	.....
Lighters.....	.....	16,422	.....	.....	16,422	1,688,400	.....
Total.....	651	46,580	532	6	47,769	2,023,341	85,450

¹ Principally local on Biscayne Bay.

The above includes both arrivals and departures.

HARBOR AT KEY WEST, FLA.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	1,028,374	\$37,051,539	36,778	1919.....	¹ 1,980,347	\$178,468,699	58,452
1917.....	745,056	46,324,318	44,124	1920.....	² 237,637	24,727,130	85,436
1918.....	823,435	52,405,390	23,481				

¹ This includes 455,731 short tons, cargo in transit, valued at \$109,287,354; it also includes car-ferry traffic, figures for which are not available. These two classes of traffic are included in previous years, it being impracticable to separate them.

² Exclusive of 664,157 tons, car-ferry traffic, valued at \$98,567,018, and 180,966 tons, cargoes in transit, valued at \$199,884,800.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

*Freight traffic, 1920.***FOREIGN.**

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products, oil seeds, expressed oils and beverages.....		51,628		\$881,325
Fruits:				
Bananas.....	105		\$4,000	
Molasses.....	51,523		877,325	
Other vegetable products, except fibers and wood.....		384		1,689,186
Cigars.....	12		239,085	
Tobacco.....	372		1,450,091	
Wood and paper: Lumber, Spanish cedar.....	326	326	18,000	18,000
Nonmetallic minerals.....		116,792		1,060,699
Crude oil.....	108,000		944,832	
Petroleum products.....	8,792		115,867	
Unclassified: General merchandise.....	766	766	2,076,663	2,076,663
Total.....		160,896		5,725,873

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
EXPORTS.				
Animals and animal products, except wool and hair.....		122		\$67, 125
Eggs.....	110		\$62, 025	
Lard.....	12		5, 400	
Vegetable food products, oil seeds, expressed oils and beverages.....		3, 497		321, 055
Fruit—				
Apples.....	149		14, 000	
Grapes.....	60		77, 400	
Oranges.....	15		2, 500	
Vegetables—				
Cabbage.....	45		1, 575	
Potatoes, Irish.....	2, 215		182, 380	
Watermelons.....	15		3, 00	
Onions.....	998		42, 900	
Wood and paper: Crate material.....	56	56	1, 400	1, 400
Nonmetallic minerals: Coal.....	315	315	4, 310	4, 310
Unclassified: General merchandise.....	1, 798	1, 798	5, 188, 880	5, 188, 880
Total.....		5, 788		5, 583, 070
Total imports and exports.....		175, 681		11, 308, 943

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair.....			330		\$118, 360
Eggs.....		300		\$100, 000	
Poultry.....		30		18, 360	
Vegetable food products, oil seeds, expressed oils and beverages.....			2, 410		387, 790
Flour.....		350		43, 750	
Fruit, apples.....		135		15, 000	
Rice.....		150		39, 000	
Soft drinks.....		100		5, 000	
Sugar.....		475		160, 000	
Vegetables—					
Potatoes, Irish.....		1, 100		120, 000	
Other vegetables.....		100		5, 040	
Other vegetable products, except fibers and wood: Tannic woods.....		720	720	40, 000	40, 000
Nonmetallic minerals.....			6, 979		107, 488
Cement.....		1, 500		30, 000	
Oils—					
Gasoline.....	46			3, 412	
Kerosene.....	18			899	
Machine.....		2		164	
Petroleum products.....	5, 163			68, 013	
Salt.....		250		5, 000	
Machinery and vehicles: Automobiles.....		6	6	10, 000	10, 000
Unclassified.....			42, 198		2, 980, 330
Canned goods.....		1, 500		150, 000	
General merchandise.....		40, 698		2, 880, 330	
Total.....	5, 227	47, 416	52, 643		3, 643, 968

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair.....			650		\$197,000
Fish.....		375		\$75,000	
Sponges.....		50		33,000	
Turtles.....		225		92,000	
Vegetable food products, oil seeds, expressed oils and beverages: Tomatoes.....		100	100	5,040	5,040
Other vegetable products, except fibers and wood: Cigars.....		750	750	3,750,000	3,750,000
Wood and paper: Spanish cedar.....		56	56	3,350	3,350
Unclassified: General merchandise.....		4,037	4,037	5,296,180	5,296,180
Total.....		5,593	5,593		9,251,570
Total receipts and shipments.....	5,227	53,009	58,236		12,895,538
Animals and animal products, except wool and hair.....					
Crawfish.....	158		2,717		517,649
Fish.....	1,069			21,166	
Turtles.....	1,490			213,880	
				282,600	
Total.....	2,717		2,717		517,649
SHIPMENTS, LOCAL.					
Unclassified: Ice.....	1,000		1,000	5,000	5,000
Total receipts and shipments.....	3,717		3,717		522,649

RAILROAD CAR FERRY.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Automobiles.....	1,524	\$2,790,432	Lumber:		
Brick.....	15,228	127,500	Cypress.....	2,196	\$134,912
Butter.....	206	279,376	Pine.....	90,144	3,604,560
Cast-iron pipe.....	14,347	771,624	Crate material.....	1,886	134,912
Cigars.....	113	1,026,455	Cross-ties.....	28,702	527,520
Drugs, etc.....	70	118,020	Machinery.....	24,888	13,065,400
Dry goods, etc.....	1,280	485,271	Manufactured iron.....	50,808	2,565,840
Eggs.....	9,192	3,978,300	Miscellaneous.....	29,182	5,976,582
Furniture.....	2,209	714,568	Molasses.....	34,781	579,686
Grape fruit.....	4,808	300,850	Packing-house products.....	17,028	8,564,448
Other fruit.....	2,599	100,752	Paints.....	632	166,712
General merchandise.....	40,868	14,511,086	Railroad supplies.....	120,264	15,283,560
Grain.....	1,684	134,820	Rice.....	100	110,034
Hardware.....	1,856	247,883	Rice.....	118,097	19,270,831
Hay.....	266	9,210	Sugar.....	4	216
Honey.....	3	7,841	Vegetables:		
Live stock:			Pineapples.....	31,695	809,502
Cattle.....	216	79,800	Potatoes, Irish.....	11,222	1,034,628
Hogs.....	358	247,656	Other vegetables.....	4,853	188,637
Horses.....	168	165,600			
Mules.....	610	390,014	Total.....	664,157	98,567,018

Freight traffic, 1920—Continued.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Ammunition.....	354	\$2,301,000	Barley.....	3,800	\$964,000
Bagging.....	8,820	793,800	Beans.....	2,440	732,000
Canned goods.....	6,167	1,850,100	Broom root.....	434	130,200
Cotton.....	56,049	33,629,400	Electrical appliances.....	1,560	1,560,000
Clothing.....	17,320	138,560,000	Meal.....	3,000	600,000
Coffee.....	1,878	751,200	Milo maize.....	1,830	549,000
Flour.....	1,650	330,000	Mohair.....	900	360,000
General merchandise.....	14,041	2,807,800	Potatoes.....	4,638	463,800
Groceries.....	1,800	540,000	Rice bran.....	3,600	504,000
Hardware.....	1,230	615,000	Rice flour.....	6,045	1,209,000
Hides.....	48	17,280	Sisal.....	2,080	624,000
Ixtle.....	1,494	298,800	Steel rails.....	2,526	214,710
Lard.....	1,072	321,600	Tinware.....	1,060	648,000
Lumber.....	547	13,675	Wall plaster.....	800	80,000
Paper.....	9,883	1,235,375	Wool.....	8,600	3,440,000
Ore and copper.....	7,920	2,059,200	Wrapping paper.....	1,220	366,000
Rice.....	4,840	1,258,400			
Stone, marble, and granite.....	1,378	96,460	Total.....	180,966	199,884,800
Agricultural implements.....	122	61,000			

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Import.		Export.		Coastwise.		Local.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....			122	\$67,425	960	\$315,360	2,717	\$517,649	3,819	\$900,434
Vegetable food products, oil seeds, expressed oils, and beverages.....	51,628	\$881,325	3,497	321,055	2,510	392,830			57,635	1,595,210
Other vegetable products, except fibers and wood.....	384	1,689,186			1,470	3,790,000			1,854	5,479,186
Wood and paper.....	326	18,000	56	1,400	56	3,350			438	22,750
Nonmetallic minerals.....	116,792	1,060,699	315	4,310	6,979	107,488			124,086	1,172,497
Machinery and vehicles.....					6	10,000			6	10,000
Unclassified.....	766	2,076,663	1,798	5,188,880	46,235	8,276,510	1,000	5,000	49,799	15,547,053
Total.....	169,896	5,725,873	5,788	5,583,070	58,236	12,895,538	3,717	522,649	237,637	24,727,130

	Short tons.	Value.
Railroad car ferry.....	664,157	\$98,567,018
Cargoes in transit.....	180,966	199,884,800

Vessel classification.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers.....	2,255	34	2,289	2,682,290	85,436
Steamers (car ferry).....	2,260		2,260	2,262,148	
Naval vessels.....	400		400	719,208	
Motor boats.....	590		590	26,722	
Sailboats.....	48	2	50	23,920	
Barges.....	55		55	34,532	
Total.....	5,608	36	5,644	5,748,820	85,436

The above includes both arrivals and departures. In addition there are many sail-boats in the sponge industry and small motor boats in the fishing business; the actual data is not available.

KESSIMMEE RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	13,625	\$410,412	13,540	1919.....	10,508	\$399,285	1,480
1917.....	12,014	313,974	100	1920.....	7,125	307,500	11,000
1918.....	10,181	395,253	1,650				

¹ Estimated.

[Navigation season opened Jan. 1, closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair.....			500		\$60,000	Miles.
Cattle.....	250			\$25,000		55
Fish.....	250			35,000		10
Vegetable food products, oil seeds, expressed oils and beverages:						
Oranges.....		1,600	1,600	100,000	100,000	10
Other vegetable products, except fibers and wood: Turpentine and rosin.....		100	100	20,000	20,000	
Wood and paper: Lumber and ties.....	4,250		4,250	63,750	63,750	30
Ores, metals, and manufactures, except machinery and vehicles:						
Hardware.....		300	300	60,000	60,000	55
Unclassified: Ice and incidentals.....		375	375	3,750	3,750	30
Total.....	4,750	2,375	7,125		307,500	

Vessel classification.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered steamers.....	60	900	1,400
Unregistered:			
Motor boats.....	160	640	1,600
Lighters.....	260	7,830	
Total.....	480	9,370	11,000

¹ Estimated.

The above includes both arrivals and departures. In addition there are approximately 100 small motor boats on the river and lakes.

CALOOSAHATCHEE RIVER, FLA. (C2.)

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	55,304	\$3,214,943	35,957	1919.....	29,117	\$2,237,685	11,308
1917.....	35,089	3,210,583	22,989	1920.....	38,454	2,423,761	9,432
1918.....	19,828	1,601,451	15,903				

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Fish.....	605		605	\$9,680	\$9,680	Miles.	Cents.
Vegetable food products, oil seeds, expressed oils, and beverages: Fruits, grapefruit and oranges.....		12,345	12,345	925,875	925,875		
Nonmetallic minerals: Oils, mixed.....	191		191	11,460	11,460		
Unclassified: Miscellaneous.....		100	100	10,000	10,000		
Total.....	796	12,445	13,241		957,015		
SHIPMENTS, COASTWISE.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			166		8,404		
Grain.....		60		4,000			
Hay.....		13		700			
Soft drinks.....		32		1,024			
Vegetables—							
Watermelons.....		30		200			
Other vegetables.....		31		2,480			
Wood and paper.....			275		7,460		
Lumber—							
Cypress and pine.....		265		7,260			
Shingles.....		10		200			
Nonmetallic minerals.....			298		15,040		
Cement.....		22		400			
Oils—							
Gasoline.....		33		2,900			
Kerosene.....		224		10,500			
Machine.....		7		1,000			
Salt.....		12		240			
Ores, metals, and manufactures, except machinery and vehicles: Hardware.....		19	19	3,800	3,800		
Chemicals.....			339		21,400		
Fertilizer.....		337		20,200			
Paints.....		2		1,200			
Unclassified.....			2,210		95,740		
Canned goods.....		50		5,000			
Groceries.....		207		62,100			
Ice.....	1,728			8,640			
Miscellaneous.....		225		20,000			
Total.....	1,728	1,579	3,307		151,844		
Total receipts and shipments.....	2,524	14,024	16,548		1,108,859		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons. by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
INTERNAL, UPBOUND.							
Animals and animal products, except wool and hair			7		\$4,500	Miles.	Cents.
■ Bacon		5		\$3,000		30	6.6
■ Meats, smoked		2		1,500		30	6.6
Vegetable food products, oil seeds, expressed oils, and beverages			2,178		146,686		
Cottonseed meal		20		1,000		45	5.0
Flour		201		23,200		30	
Fruits—							
Apples		2		400		30	
Bananas		5		336		30	
Coconuts		56		4,480		30	
Grain		1,800		108,000		30	6.6
Hay		42		1,200		30	6.6
Linseed oil		2		640			
Rice		20		2,800		30	6.6
Soft drinks		4		200		30	
Sugar		18		3,030		30	6.6
Sirup		8		1,400		30	6.6
Other vegetable products, except fibers and wood			12		14,210		
Cigars		2		5,000		30	
Drugs, etc.		1		2,000		30	
Plants and shrubs		7		4,010		30	
Tobacco		2		3,200		30	
Textiles: Dry goods, etc.		21	21	10,400	10,400	30	6.6
Wood and paper			1,228		38,860		
Doors, sash, etc.		10		4,000		30	
Furniture		3		2,510		30	
Lumber—							
Pine		144		5,760		30	2.5
Crate material		900		24,000		30	2.5
Cross ties		150		2,250		30	2.5
Lath and shingles		21		340		30	2.5
Nonmetallic minerals			348		14,741		
Brick		32		630		30	6.6
Cement		125		3,125		30	
Coal		20		200		30	6.6
Lime		10		300		30	5.0
Oils—							
Gasoline		95		7,140		30	
Kerosene		60		3,030		30	
Machine		1		140		30	
Salt		5		176		30	6.6
Ores, metals, and manufactures, except machinery and vehicles			78		7,140		
Barbed wire		3		390		30	6.6
Cast-iron pipe		20		1,200		30	6.6
Hardware		40		4,000		30	6.6
Nails		15		1,550		30	6.6
Machinery and vehicles:							
Machinery		10	10	2,000	2,000	30	6.6
Chemicals			2,049		125,055		
Fertilizer		2,020		120,800		30	5.5
Nitrate of soda		20		1,800			
Paints		9		2,455		30	
Unclassified			1,935		116,155		
Canned goods		75		9,030		30	6.6
General merchandise		1,850		105,600		30	6.6
Groceries		5		1,500		30	6.6
Ice		5		25			
Total		7,806	7,866		479,747		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
INTERNAL, DOWNBOUND.							
Animals and animal products, except wool and hair.			27		\$10,496	Miles.	Cents.
Eggs.....		1		\$336			
Hides and skins.....		10		5,000		30	6.6
Live stock—							
Cattle.....		5		500			
Hogs.....		4		420			
Horses.....		2		1,500			
Mules.....		3		2,100			
Poultry.....		2		640			
Vegetable food products, oil seeds, expressed oils, and beverages.....			5,269		395,669		
Fruits—							
Grapefruit and oranges.....		3,815		286,125		30	8.3
Pears.....		1,325		99,408		30	
Other fruit.....		87		6,561		30	
Honey.....		10		2,000		30	6.6
Vegetables—							
Cabbage.....		10		500		30	8.3
Tomatoes.....		7		700		30	8.3
Watermelons.....		15		375		30	8.3
Other vegetable products, except fibers and wood.....			74		6,590		
Naval stores—							
Rosin.....		67		5,550		30	
Turpentine.....		7		1,040		30	
Unclassified: General merchandise.....		8,670	8,670	422,400	422,400	30	6.6
Total.....		14,040	14,040		835,155		
Total upbound and downbound.....		21,906	21,906		1,314,902		

SUMMARY.

Classes of commodities.	Coastwise.		Internal.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	605	\$9,690	34	\$14,996	639	\$24,686
Vegetable food products, oil seeds, expressed oils, and beverages.....	12,511	934,279	7,447	542,355	19,958	1,476,634
Other vegetable products, except fibers and wood.....			86	20,800	86	20,800
Textiles.....			21	10,400	21	10,400
Wood and paper.....	275	7,460	1,228	38,860	1,503	46,320
Nonmetallic minerals.....	489	26,500	348	14,741	837	41,241
Ores, metals, and manufactures, except machinery and vehicles.....	19	3,800	78	7,140	97	10,940
Machinery and vehicles.....			10	2,000	10	2,000
Chemicals.....	339	21,400	2,049	125,055	2,388	146,455
Unclassified.....	2,310	105,740	10,605	538,535	12,915	644,295
Total.....	16,548	1,108,859	21,906	1,314,902	38,454	2,423,761

Vessel classification, 1920.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Steamers	1,618	61,170	9,300
Motor boats	866	16,974	132
Unregistered:			
Motor boats	140	490	
Lighters	100	10,000	
Total	2,724	88,634	9,432

The above includes both arrivals and departures. In addition there are approximately 250 small motor boats on the river.

ORANGE RIVER, FLA. (C3.)*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1916	2,082	\$102,942	1919	(1)	(1)
1917	130	6,320	1920	360	\$22,510
1918	400	24,000			

¹ No statistics available.

[Navigation season opened Jan. 1; closed Dec. 31, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities (package).	Amount in short tons, by classes.	Value.		Average haul.
			By commodities.	By classes.	
DOWNBOUND.					
Vegetable food products, oil seeds, expressed oils, and beverages.....		360		\$22,510	Miles.
Fruits—					
Grapefruit.....	200		\$12,530		11
Oranges.....	160		9,980		11
Total.....	360	360		22,510	

There are no rates on the river.

Vessel classification.

Classes.	Number.	Net registered tonnage.
American registered steamers	82	3,362

The above includes both arrivals and departures. In addition, about 25 small motor boats on the river make occasional trips.

CHARLOTTE HARBOR, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	341,560	\$1,593,947	7,312	1919.....	235,852	\$2,079,188	1,200
1917.....	304,095	1,902,042	749	1920.....	497,563	3,610,904	1,480
1918.....	219,992	1,991,026	1,625				

[Navigation season: Opened, Jan. 1; closed, Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Chemicals: Phosphate, pebble.....	138,305	138,305	\$795,254	\$795,254

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals: Mixed oils.....	435		435	\$26,100	\$26,100
SHIPMENTS, COASTWISE.					
Chemicals: Phosphate, pebble.....	338,115		338,115	1,944,555	1,944,555
Total receipts and shipments.....	338,550		338,550		1,970,655
LOCAL.					
Animals and animal products, except wool and hair.....			4,555		523,150
Fish.....	4,528			516,900	
Live stock—					
Cattle.....		7		600	
Hogs.....		5		2,000	
Horses.....		7		900	
Mules.....		5		1,000	
Meats, smoked.....		1		750	
Poultry, coops.....		2		1,000	
Vegetable food products, oil seeds, ex- pressed oils and beverages.....			766		74,530
Cottonseed meal.....		4		240	
Flour.....		12		1,680	
Fruits—					
Grapefruit.....		323		24,210	
Oranges.....		160		12,000	
Grain.....		125		10,000	
Hay.....		10		350	
Honey.....		5		1,000	
Rice.....		5		1,300	
Sugar.....		5		1,000	
Sirup.....		5		1,250	
Tomatoes.....		80		16,000	
Other vegetables.....		32		5,500	
Other vegetable products, except fibers and wood: Plants and shrubs.....		5	5	1,000	1,000
Wood and paper.....			614		18,605
Doors, sash, etc.....		1		300	
Furniture.....		6		5,000	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
LOCAL—continued.					
Wood and paper—Continued.					
Lumber—					
Pine.....		340		\$9,000	
Crate material.....		135		3,375	
Shingles.....		2		30	
Wood, fuel.....		130		900	
Nonmetallic minerals.....			576		\$38,630
Lime.....		10		200	
Oils—					
Gasoline.....		462		33,000	
Kerosene.....		89		4,200	
Machine.....		15		1,230	
Ores, metals, and manufactures, except machinery and vehicles: Hardware.....		5	5	1,000	1,000
Machinery and vehicles.....			41		48,750
Automobiles.....		36		48,000	
Machinery.....		5		750	
Chemicals.....			500		30,080
Fertilizer.....		480		28,800	
Nitrate of soda.....		20		1,280	
Unclassified.....			13,646		109,250
Canned goods.....		135		29,700	
Groceries.....		40		12,000	
Ice.....		13,470		67,350	
Miscellaneous.....		1		200	
Total.....	4,528	16,180	20,708		844,995

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic				Total.	
			Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....					4, 555	\$523, 150	4, 555	\$523, 150
Vegetable food products, oil-seeds, expressed oils, and beverages.....					766	74, 530	766	74, 530
Other vegetable products, except fibers and wood.....					5	1, 000	5	1, 000
Wood and paper.....					614	18, 605	614	18, 605
Nonmetallic minerals.....			435	\$26, 100	576	38, 630	1, 011	64, 730
Ores, metals, and manufactures, except machinery and vehicles.....					5	1, 000	5	1, 000
Machinery and vehicles.....					41	48, 750	41	48, 750
Chemicals.....	138, 305	\$795, 254	338, 115	1, 944, 555	500	30, 080	476, 920	2, 769, 889
Unclassified.....					13, 646	109, 250	13, 646	109, 250
Total.....	138, 305	795, 254	338, 550	1, 970, 655	20, 708	844, 995	497, 563	3, 610, 904

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers.....	192	72	264	493, 160	.....
Motor boats.....	1, 908	.....	1, 908	25, 184	1, 480
Unregistered, motor boats.....	588	.....	588	1, 914	.....
Total.....	2, 688	72	2, 760	520, 258	1, 480

The above includes both arrivals and departures. In addition there are approximately 300 small motor boats engaged in the fishing business, and many pleasure yachts use these waters in the winter season. Of the above total 493,160 net registered tonnage was confined to the entrance at Boca Grande.

SARASOTA BAY, FLA.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	5, 871	\$475, 845	(1)	1919.....	4, 322	\$355, 143	208
1917.....	3, 841	327, 432	(1)	1920.....	5, 439	571, 040	200
1918.....	3, 279	358, 858	700				

¹ No statistics available.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

*Freight traffic 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul. ¹	Rate per ton- mile. ¹
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Vegetable food products, oil- seeds, expressed oils, and beverages.....			119		\$10, 420	Miles.	Cents.
Flour.....		15		\$2, 100		54	3
Grain.....		104		8, 320		54	3
Wood and paper: Lumber, pine.....		15	15	420	420	54	
Nonmetallic minerals.....			558		36, 300		
Oils.....							
Gasoline.....		328		24, 600		42	
Kerosene.....		200		9, 240		42	
Machine.....		30		2, 460		42	
Chemicals: Fertilizer.....		20	20	1, 200	1, 200	54	2.4
Unclassified: General mer- chandise.....		175	175	30, 000	30, 000	54	7
Total.....		887	887		78, 340		
LOCAL.							
Animals and animal prod- ucts, except wool and hair:							
Fish.....	3, 000		3, 000	480, 000	480, 000		
Unclassified.....			1, 552		12, 700		
Ice.....	1, 500			7, 500			
Miscellaneous.....	52			5, 200			
Total.....	4, 552		4, 552		492, 700		

¹ The distances carried and the rates per ton-mile apply to through traffic from Sarasota over Tampa and Hillsboro Bays to Tampa.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			3,000	\$480,000	3,000	\$480,000
Vegetable food products, oilseeds, expressed oils, and beverages.....	119	\$10,420			119	10,420
Wood and paper.....	15	420			15	420
Nonmetallic minerals.....	558	33,300			558	36,300
Chemicals.....	20	1,200			20	1,200
Unclassified.....	175	30,000	1,552	12,700	1,727	42,700
Total.....	887	78,340	4,552	492,700	5,439	571,040

Vessel classification.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered motor boats.....	3,374	17,280	
Unregistered:			
Motor boats.....	208	520	200
Lighters.....	38	1,140	
Total.....	3,620	18,940	200

The above includes both arrivals and departures.

In addition there are about 180 small launches in the fishing business, and approximately 100 motor boats that carry many passengers.

CLEARWATER HARBOR AND BOCA CEIGA BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	10,038	\$249,165	95,010	1919.....	5,578	\$233,511	66,017
1917.....	15,381	206,514	42,894	1920.....	2,827	251,678	24,000
1918.....	8,170	140,673	65,250				

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
LOCAL.						
Animals and animal products, except wool and hair.....			2,095		\$244,028	<i>Miles.</i>
Crabs.....	4			\$3,000		15
Fish.....	1,191			239,228		15
Shell.....	900			1,800		20
Nonmetallic minerals.....			64		4,310	
Oils—						
Gasoline.....		47		3,525		30
Kerosene.....		17		785		30
Unclassified: Ice.....	668		668	3,340	3,340	15
Total.....	2,763	64	2,827		251,678	

There are no regular rates on the waterway.

GENERAL FERRY.

Commodities.	Amount in short tons.	Value.
General merchandise.....	100	\$20,000

Vessel classification, 1920.

Classes.	Number.	Net reg- istered tonnage.	Pas- sengers.
AMERICAN.			
Registered:			
Motor boats.....	630	5,610	
Motor boats (ferry).....	4,380	38,325	24,000
Unregistered:			
Motor boats.....	3,000	6,000	
Lighters.....	30	3,000	
Total.....	8,040	52,935	24,000

The above includes both arrivals and departures. In addition there are approximately 30 small motor boats on the bay, and many tourist yachts use these waters in the winter season.

ANCLOTE RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.		Value.	Year.	Tons.		Value.
	Freight.	Floated logs.			Freight.	Floated logs.	
1916.....	3,630	3,850	\$1,031,959	1919.....	5,867	7,345	\$1,076,269
1917.....	4,689	5,400	1,218,594	1920.....	3,280	None.	960,769
1918.....	7,422	2,812	1,245,167				

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, LOCAL.					
Animals and animal products, except wool and hair.....			1, 456		\$853, 734
Fish.....	791			\$125, 525	
Sponges.....	665			728, 209	
Total.....	1, 456		1, 456		853, 734
SHIPMENTS, LOCAL.					
Vegetable food products, oilseeds, ex- pressed oils, and beverages.....			37		4, 660
Flour.....		19		2, 660	
Sugar.....		5		1, 000	
Vegetables, Irish potatoes.....		13		1, 000	
Nonmetallic minerals.....			974		81, 060
Oils—					
Gasoline.....		660		52, 800	
Machine.....		314		28, 260	
Unclassified.....			813		21, 315
Canned goods.....		70		8, 000	
Groceries.....		40		12, 000	
Ice.....		150		900	
Water.....		553		415	
Total.....		1, 824	1, 824		107, 035
Total receipts and shipments.....	1, 456	1, 824	3, 280		960, 769

The traffic, consisting of receipts from and shipments to, boats engaged in the fishing and sponge industries, is carried in private boats. There are no rates on the river.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	1,456	\$853,734			1,456	\$853,734
Vegetable food products, oilseeds, expressed oils, and beverages.....			37	\$4,660	37	4,660
Nonmetallic minerals.....			974	81,060	974	81,060
Unclassified.....			813	21,315	813	21,315
Total.....	1,456	853,734	1,824	107,035	3,280	960,769

Vessel classification, 1920.

Classes.	Number.	Net registered tonnage.
AMERICAN.		
Registered:		
Motor boats.....	240	2, 160
Sail boats.....	200	4, 000
Unregistered, motor boats.....	108	316
Total.....	548	6, 476

The above includes both arrivals and departures.

There are approximately 100 Greek diving boats that make trips every 90 to 120 days to the sponging grounds, and approximately 50 boats engaged in the fishing industry. In addition there are about 100 motor boats and yachts on the river during the winter season.

There are about 20 Greeks diving boats engaged in the sponging industry that can not come up the river owing to insufficient depth of water in the dredged channel.

CRYSTAL RIVER, FLA.*Comparative statement of traffic.*

Year.	Tons.		Value.	Year.	Tons.		Value.
	Freight.	Floated logs.			Freight.	Floated logs.	
1916.....	1, 400	5, 400	\$78, 954	1919.....	300	60	\$54, 000
1917.....	500	1, 440	70, 960	1920.....	124	(¹)	19, 840
1918.....	425	31	56, 250				

¹ No statistics available.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities, bulk.	By classes.	By commodities.	By classes.	
LOCAL.					
Animals and animal products, except wool and hair: Fish.....	124	124	\$19,840	\$19,840	Miles. 20

Vessel classification.

Besides 12 or 15 small unregistered launches in the fishing business, which make irregular trips, there are about 100 small motor boats on the river that make occasional trips to the Gulf of Mexico, but do not carry freight.

WITHLACOOCHEE RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.		Value.	Year.	Tons.		Value.
	Freight.	Floated logs.			Freight.	Floated logs.	
1916.....	702	675	\$31,005	1919.....	840	1,456	\$75,277
1917.....		4,250	21,250	1920.....	5,925	280	129,915
1918.....	841	877	60,879				

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair: Fish.....	150		150	\$15,000	\$15,000	Miles. 12
Vegetable food products, oil seeds, expressed oils and beverages.....			730		29,200	
Fruits:						
Pears.....		430		17,200		20
Other fruits.....		300		12,000		20
Wood and paper:						
Cypress logs, floated.....	280		5,175	1,680	76,715	20
Lumber—						
Crate material.....		215		5,375		20
Cross-ties.....		189		2,160		20
Shingles (cypress blocks).....		4,500		67,500		20
Chemicals: Fertilizer.....		150	150	9,000	9,000	20
Total.....	430	5,775	6,205		129,915	

There are no local rates on the river.

Vessel classification.

Class.	Number.	Net registered tonnage.
American unregistered motor boat.....	200	5,000

The above includes both arrivals and departures.

There are about six motor boats on the river, also several small launches engaged in fishing.

SUWANNEE RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.		Value.	Year.	Tons.		Value.
	Freight.	Floated logs.			Freight.	Floated logs.	
1916.....	2,503	4,500	\$229,072	1919.....	325	24,000	\$157,000
1917.....	12,737	5,200	86,849	1920.....	65	21,650	130,475
1918.....	25	2,500	35,000				

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities (bulk).	By classes.	By commodities.	By classes.	
LOCAL.					
Animals and animal products, except wool and hair: Fish.....	65	65	\$10,400	\$10,400	Miles.
Wood and paper.....		21,650		120,075	
Logs—					
Cypress, floated.....	19,650		108,075		5
Pine, floated.....	2,000		12,000		5
Total.....		21,715		130,475	

All commerce was private, with no rates.

Vessel classification.

American registered rafts..... 54

There are approximately six motor boats on the river.

PORT TAMPA, FLA.

(TAMPA BAY, FLA.)

Comparative statement of traffic.

Included in statistics for Tampa Harbor, Tampa and Hillsboro Bays, and therefore not carried into summaries in order to avoid duplications.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	1,571,063	\$47,709,267	172,607	1919.....	312,063	\$11,952,527	6,114
1917.....	1,181,076	47,525,541	200,890	1920.....	1,291,401	47,519,876	18,550
1918.....	558,007	22,823,453	172,515				

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products, oilseeds, expressed oils, and beverages.....		492		\$37,927
Fruit—				
Bananas.....	54		\$5,042	
Other fruit.....	438		32,885	
Other vegetable products, except fibers and wood.....		2,112		4,990,590
Cigars.....	425		1,267,440	
Tobacco.....	1,687		3,723,150	
Nonmetallic minerals: Crude oil.....	134,144	134,144	1,116,507	1,116,507
Total imports.....		136,748		6,145,024
EXPORTS.				
Animals and animal products, except wool and hair.....		112		51,960
Cattle.....	8		560	
Horses.....	2		300	
Meats, smoked.....	102		51,100	
Vegetable food products, oilseeds, expressed oils, and beverages.....		770		100,686
Flour.....	74		8,846	
Fruit—				
Apples.....	88		5,832	
Oranges.....	11		1,056	
Grain.....	35		2,424	
Packing-house products.....	57		27,100	
Vegetables—				
Cabbage.....	17		1,170	
Potatoes, Irish.....	254		34,776	
Watermelons.....	65		2,592	
Other vegetables.....	169		16,890	
Other vegetable products, except fibers and wood:				
Drugs, etc.....	304	304	131,550	131,550
Textiles: Dry goods.....	24	24	19,200	19,200
Nonmetallic minerals.....		51		1,020
Lime.....	18		360	
Salt.....	33		660	
Ores, metals and manufactures, except machinery and vehicles.....		124		44,948
Hardware.....	73		36,500	
Manufactured iron.....	51		8,448	
Machinery and vehicles.....		125		29,536
Automobiles.....	12		16,000	
Machinery.....	113		13,536	
Chemicals: Fertilizer materials.....	329,709	329,709	9,891,270	9,891,270
Total.....		331,219		10,270,170
Total imports and exports.....		467,967		16,415,194

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products, oilseeds, ex- pressed oils, and beverages.....			340		\$31,584
Miscellaneous fruits.....		292		\$21,904	
Sirup.....		48		9,680	
Nonmetallic minerals.....			57,563		4,338,135
Oils—					
Gasoline.....	43,800			3,649,985	
Kerosene.....	13,763			688,150	
Total.....	57,563	340	57,903		4,369,719
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair.....			944		77,752
Butter.....		13		13,000	
Eggs.....		822		31,800	
Fish.....		65		11,052	
Meats, smoked.....		44		21,900	
Vegetable food products, oilseeds, ex- pressed oils and beverages.....			1,252		203,581
Flour.....		110		13,270	
Fruit—					
Apples.....		58		3,888	
Oranges.....		7		704	
Grain.....		311		21,817	
Packing-house products.....		114		54,200	
Rice.....		231		41,490	
Sugar.....		86		31,260	
Vegetables—					
Cabbage.....		11		780	
Potatoes, Irish.....		169		23,184	
Watermelons.....		43		1,728	
Other vegetables.....		112		11,260	
Textiles: Dry goods.....		57	57	44,800	44,800
Nonmetallic minerals.....			96,986		6,133,160
Fuller's earth.....		222		4,400	
Oils—					
Crude.....	7,604			97,714	
Gasoline.....	70,045			5,253,375	
Kerosene.....	18,976			776,681	
Salt.....	49			990	
Ores, metals, and manufactures, except machinery and vehicles: Manufactured iron.....		13	13	2,112	2,112
Machinery and Vehicles: Machinery.....		28	28	3,384	3,384
Chemicals.....			659,424		19,785,231
Fertilizer material.....	659,418			19,782,540	
Paints.....		6		2,691	
Unclassified: Canned goods.....		387	387	77,400	77,400
Total.....	756,182	2,909	759,091		26,327,420
Total, receipts and shipments.....	813,745	3,249	816,964		30,697,139
INTERNAL.					
Animals and animal products, except wool and hair: Fish.....	609		609	127,966	127,966
Nonmetallic minerals.....			4,049		274,626
Oils—					
Gasoline.....	2,998			225,862	
Kerosene.....	1,051			48,764	
Unclassified: Ice.....	1,782		1,782	4,951	4,951
Total.....	6,440		6,440		407,543

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			112	\$51,960	944	\$77,752	609	\$127,966	1,665	\$257,678
Vegetable food products, oil seeds, expressed oils and beverages.....	492	\$37,927	770	100,686	1,592	235,165			2,854	373,778
Other vegetable products, except fibers and wood.....	2,112	4,990,590	304	131,550					2,416	5,122,140
Textiles.....			24	19,200	57	44,800			81	64,000
Nonmetallic minerals.....	134,144	1,116,507	51	1,020	154,549	10,471,295	4,049	274,626	292,793	11,863,448
Ores, metals and manufactures, except machinery and vehicles.....			124	44,948	13	2,112			137	47,060
Machinery and vehicles.....			125	29,536	28	3,384			153	32,920
Chemicals.....			329,709	9,891,270	659,424	19,785,231			989,133	29,676,501
Unclassified.....					387	77,400	1,782	4,951	2,169	82,351
Total.....	136,748	6,145,024	331,219	10,270,170	816,994	30,697,139	6,440	407,543	1,291,401	47,519,876

Vessel classification.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers.....	1,028	154	1,182	2,191,750	18,559
Motor boats.....	128		128	2,352	
Sailboats.....	104		104	32,676	
Unregistered motor boats.....	2,160		2,160	4,320	
Total.....	3,420	154	3,574	2,231,098	18,559

This includes both arrivals and departures.

The above statistics are only for the traffic which passed over the channel from the Gulf of Mexico to Port Tampa. All other traffic is reported under Tampa and Hillsboro Bays, Fla.

TAMPA HARBOR, FLA.

(TAMPA AND HILLSBORO BAYS, FLA.)

Comparative statement of traffic.

Year.	Tons.		Value.	Passen- gers.	Year.	Tons.		Value.	Passen- gers.
	General merchan- dise.	Cargoes in transit.				General merchan- dise.	Cargoes in transit.		
1916...	1,149,696	(1)	\$33,754,323	157,452	1919...	666,864	31,775	\$32,595,684	110,692
1917...	733,853	(1)	25,486,633	155,679	1920...	2,257,382	(9)	71,035,400	176,362
1918...	296,006	(1)	11,469,392	152,382					

¹ Statistics not available.² Includes traffic of Hillsboro River, 45,605 tons; value, \$4,684,052, and traffic reported under head of Port Tampa, Fla. (Tampa Bay).³ Value of cargoes in transit not included.⁴ See separate table below.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Vegetable food products, oil seeds, expressed oils and beverages.....		17,264		\$1,315,347
Fruit—				
Bananas.....	429		\$17,042	
Coconuts.....	15,850		1,216,750	
Grapefruit.....	400		30,000	
Plantains.....	105		14,210	
Other fruit.....	438		32,855	
Sugar.....	42		14,450	
Other vegetable products, except fibers and wood.....		2,187		5,020,590
Cigars.....	425		1,267,440	
Mangrove bark.....	75		30,000	
Tobacco.....	1,687		3,723,150	
Wood and paper: Logs, Spanish cedar.....	1,083	1,083	77,746	77,746
Nonmetallic minerals.....		239,922		2,255,940
Asphalt.....	2,913		14,565	
Oils—				
Crude.....	228,369		1,920,561	
Mixed.....	8,640		320,814	
Total.....		280,456		8,669,623
EXPORTS.				
Animals and animal products, except wool and hair.....		112		51,960
Live stock—				
Cattle.....	8		580	
Horses.....	2		300	
Meats, smoked.....	102		51,100	
Vegetable food products, oil seeds, expressed oils, and beverages.....		770		69,356
Flour.....	74		8,846	
Fruits—				
Apples.....	88		5,832	
Oranges.....	11		1,056	
Grain.....	35		2,424	
Packing-house products.....	57		27,100	
Vegetables—				
Cabbage.....	17		1,170	
Potatoes, Irish.....	254		3,446	
Watermelons.....	65		2,592	
Other vegetables.....	169		16,890	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Other vegetable products, except fibers and wood:				
Drugs.....	304	304	\$131,550	\$131,550
Textiles: Dry goods.....	24	24	19,200	19,200
Wood and paper: Lumber, pine.....	65,402	65,402	1,658,839	1,658,839
Nonmetallic minerals.....		51		1,020
Lime.....	18		360	
Salt.....	33		660	
Ores, metals and manufactures, except machinery and vehicles.....		124		44,948
Hardware.....	73		36,500	
Manufactured iron.....	51		8,448	
Machinery and vehicles.....		125		29,536
Automobiles.....	12		16,000	
Machinery.....	113		13,536	
Chemicals.....		914,625		13,269,949
Fertilizer material.....	330,159		9,909,270	
Phosphate rock.....	584,466		3,360,679	
Unclassified: General merchandise.....	3,362	3,362	654,120	654,120
Total.....		984,899		15,930,478
Total imports and exports.....		1,245,355		24,600,101

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			11,614		\$1,530,604
Fruits, miscellaneous.....		292		\$21,904	
Grain.....		6,822		419,320	
Rice.....		1,858		483,080	
Sugar.....		2,594		506,620	
Sirup.....		48		9,680	
Other vegetable products, except fibers and wood: Tobacco.....		181	181	362,000	362,000
Nonmetallic minerals.....			73,939		4,934,127
Oils—					
Gasoline.....	43,800			3,649,985	
Kerosene.....	13,763			688,150	
Machine.....		1,160		95,120	
Mixed.....	11,560			427,752	
Salt.....		3,656		73,120	
Ores, metals, and manufactures, except machinery and vehicles: Cast-iron pipe.....	2,175		2,175	130,500	130,500
Unclassified.....			31,953		5,319,900
Canned goods.....		9,590		1,938,000	
Groceries.....		569		113,800	
Miscellaneous.....		21,794		3,264,100	
Total.....	71,298	48,564	119,862		12,277,131

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair.....			944		\$77, 752
Butter.....		13		\$13, 000	
Eggs.....		822		31, 800	
Fish.....		65		11, 052	
Meats, smoked.....		44		21, 900	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			6, 632		1, 440, 981
Flour.....		110		13, 270	
Fruits—					
Apples.....		58		3, 888	
Oranges.....		7		704	
Grain.....		311		21, 817	
Packing house products.....		114		54, 200	
Rice.....		231		41, 490	
Sugar.....		5, 466		1, 268, 660	
Vegetables—					
Cabbage.....		11		780	
Potatoes, Irish.....		169		23, 184	
Watermelons.....		43		1, 728	
Other vegetables.....		112		11, 260	
Other vegetable products, except fibers and wood: Tobacco.....		69	69	138, 000	138, 000
Textiles: Dry goods.....		57	57	44, 800	44, 800
Wood and paper.....			20, 761		513, 660
Lumber, pine.....	19, 299			500, 660	
Wood, fuel.....	1, 501			13, 000	
Nonmetallic minerals.....			114, 875		6, 580, 385
Fullers earth.....		18, 111		451, 625	
Oils—					
Crude.....	7, 694			97, 714	
Gasoline.....	70, 045			5, 253, 375	
Kerosene.....	18, 976			776, 681	
Salt.....		49		990	
Ores, metals, and manufactures, except machinery and vehicles: Manufactured iron.....		13	13	2, 112	2, 112
Machinery and vehicles: Machinery.....		28	28	3, 384	3, 384
Chemicals.....			701, 201		20, 025, 438
Fertilizer material.....	659, 118			19, 782, 540	
Paints.....		6		2, 691	
Phosphate, rock.....	41, 777			240, 207	
Unclassified.....			5, 321		817, 500
Canned goods.....		347		77, 400	
Miscellaneous.....		4, 934		740, 100	
Total.....	818, 671	31, 230	849, 901		29, 644, 012
Total receipts and shipments.....	889, 939	79, 794	969, 763		41, 921, 143
RECEIPTS, LOCAL.					
Animals and animal products, except wool and hair.....			2, 720		13, 700
Fish.....	120			11, 000	
Shell.....	2, 600			2, 700	
Nonmetallic minerals.....			13, 913		291, 106
Oils—					
Gasoline.....	3, 045			230, 362	
Kerosene.....	1, 084			49, 994	
Sand.....	9, 800			10, 740	
Unclassified: Ice.....	2, 965		2, 965	7, 502	7, 502
Total.....	19, 598		19, 598		812, 306
SHIPMENTS, LOCAL.					
Animals and animal products, except wool and hair.....			2, 008		698, 477
Bacon.....		100		30, 000	
Butter.....		45		54, 000	
Eggs.....		13		7, 000	
Fish.....		30		6, 000	
Fish.....	1, 089			237, 577	
Meats, fresh.....		315		141, 750	
Meats, smoked.....		415		210, 000	
Poultry.....		1		150	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities-	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, LOCAL—continued.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages			\$3,331		\$322,865
Cottonseed meal		100		\$6,000	
Feed		800		37,600	
Flour		690		96,600	
Fruit—					
Apples		150		13,500	
Bananas		75		3,750	
Coconuts		5		400	
Pears		7		420	
Grain		714		57,120	
Hay		25		875	
Molasses		36		2,880	
Oil, linseed		20		8,850	
Packing house products		36		2,700	
Peanuts		12		1,920	
Rice		75		19,500	
Sugar		185		31,450	
Vegetables—					
Cabbage		75		4,500	
Lettuce		10		1,500	
Pineapples		25		7,500	
Potatoes, Irish		225		19,500	
Potatoes, sweet		37		4,000	
Tomatoes		20		1,000	
Other vegetables		9		1,300	
Other vegetable products, except fibers and wood			325		667,390
Cigars		10		50,000	
Drugs, etc.		300		600,000	
Naval stores: Turpentine		5		1,350	
Tobacco		10		16,000	
Textiles: Dry goods, etc.		200	200	200,000	200,000
Wood and paper			187		19,278
Doors and sash		50		15,000	
Lumber—					
Lath and shingles		15		240	
Pine		122		4,038	
Nonmetallic minerals			5,992		407,503
Brick		100		600	
Cement		100		1,500	
Coal		100		1,500	
Lime		30		600	
Oils—					
Gasoline	4,202			328,861	
Kerosene	943			53,823	
Machine		231		18,916	
Rock	211			203	
Salt		75		1,500	
Ores, metals, and manufactures, except machinery and vehicles			443		36,480
Barbed wire		5		600	
Cast-iron pipe		320		19,200	
Hardware		43		9,180	
Nails		75		7,500	
Machinery and vehicles: Machinery		100	100	15,000	15,000
Chemicals			495		79,200
Fertilizer		395		22,200	
Paints		100		57,000	
Unclassified			9,585		1,767,656
Canned goods		6,889		1,362,075	
Groceries		168		12,033	
Ice		330		1,350	
Miscellaneous		2,178		361,797	
Water		20		400	
Total	6,445	16,221	22,666		4,201,848
Total receipts and shipments	26,043	16,221	42,264		4,514,156

Freight traffic, 1920—Continued.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.
Cotton.....	143	\$80,000
Cross-ties.....	2,000	24,000
Dyestuff.....	155	15,000
Logs.....	1,375	25,000
Lumber.....	13,500	300,000
Miscellaneous.....	6,600	660,000
Rice.....	400	100,000
Rosin.....	7,500	300,000
Turpentine.....	432	10,000
Total.....	32,106	1,404,000

Freight traffic, 1920—Continued.
SUMMARY.

Classes of commodities.	Foreign.			Exports.			Domestic.			Total.		
	Imports.		Tons.	Coastwise.		Tons.	Local.		Tons.	Value.	Total.	
	Tons.	Value.		Tons.	Value.		Tons.	Value.				
Animals and animal products, except wool and hair.....			112	\$51,960	944	\$77,752		\$700,177	5,784	\$529,889		
Vegetable food products, oil seeds, expressed oils, and beverages.....	17,264	\$1,315,347	770	69,356	18,246	2,971,585		322,865	39,611	4,679,153		
Other vegetable products, except fibers and wood.....	2,187	5,020,590	304	131,550	250	500,000		667,390	3,066	6,319,530		
Textiles.....			24	19,200	57	44,800		200,000	281	264,000		
Wood and paper.....	1,083	77,746	65,402	1,658,839	20,761	513,660		187	87,433	2,269,523		
Nonmetallic minerals.....	239,922	2,255,940	51	1,020	188,814	11,514,512		698,609	448,692	14,470,081		
Ores, metals, and manufactures, except machinery and vehicles.....			124	44,948	2,188	132,612		36,480	2,755	214,040		
Machinery and vehicles.....			125	29,536	28	3,344		15,000	263	47,920		
Chemicals.....			914,625	13,269,949	701,201	20,025,438		79,200	1,616,321	33,374,567		
Unclassified.....			3,362	654,120	37,274	6,137,400		1,775,157	53,186	8,566,677		
Total.....	280,456	8,669,623	984,899	15,830,478	999,763	41,921,143		4,514,156	2,257,382	71,035,400		
							Short tons.		Value.			
Cargoes in transit.....							32,105		\$1,494,000			

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers.....	3,530	154	3,684	2,755,094	169,827
Motor boats.....	1,138		1,138	39,002	6,535
Sailboats.....	240	63	303	57,882	
Unregistered:					
Motor boats.....	548		548	1,668	
Sailboats.....	10		10	288	
Lighters and barges.....	411		411	30,290	
Total.....	5,880	217	6,097	2,884,264	176,362

The above includes both arrivals and departures.

HILLSBORO RIVER, FLA.

Included in statistics for Tampa Harbor and therefore not carried into summaries in order to avoid duplication.

Comparative statement of traffic.

Year.	Tons.		Value.	Passengers.	Year.	Tons.		Value.	Passengers.
	General merchandise.	Floated logs. ¹				General merchandise.	Floated logs. ¹		
1916.....	432,602	625	\$12,414,870	141,411	1919.....	58,299	1,780	\$5,397,995	93,555
1917.....	313,040	700	13,693,755	142,362	1920.....	44,522	1,083	4,684,052	128,525
1918.....	61,396	1,125	3,267,080	151,492					

¹ This traffic consists of Spanish cedar logs, unloaded in deep water in the bay and rafted up the Hillsboro River.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

*Freight traffic, 1920.***FOREIGN.**

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages: coconuts.....	11,250	11,250	\$900,000	\$900,000
Other vegetable products, except fibers and wood:				
Mangrove bark.....	75	75	30,000	30,000
Wood and paper: Spanish cedar logs, floated.....	1,083	1,083	77,746	77,746
Total.....		12,408		1,007,746
EXPORTS.				
Wood and paper: Pine.....	50	50	1,500	1,500
Unclassified: Miscellaneous.....	133	133	10,000	10,000
Total.....		183		11,500
Total imports and exports.....		12,591		1,019,246

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS COASTWISE.					
Wood and paper.....			1,601		\$15,500
Pine lumber.....	100			\$2,500	
Wood, fuel.....	1,501			13,000	
Total.....	1,601		1,601		15,500
RECEIPTS, LOCAL.					
Animals and animal products, except wool and hair.....			2,720		13,600
Fish.....	120			11,000	
Shell.....	2,600			2,600	
Nonmetallic minerals.....			13,785		279,706
Oils—					
Gasoline.....	2,951			221,362	
Kerosene.....	1,034			47,564	
Sand.....	9,800			10,780	
Total.....	16,505		16,505		293,306
SHIPMENTS LOCAL.					
Animals and animal products, except wool and hair.....			919		448,900
Bacon, salt.....		100		30,000	
Butter.....		45		54,000	
Eggs.....		13		7,000	
Fish.....		30		6,000	
Meats, fresh.....		315		141,750	
Meats, smoked.....		415		210,000	
Poultry.....		1		150	
Vegetable food products, oil seeds, ex- pressed oils and beverages.....			3,212		312,445
Cottonseed meal.....		100		6,000	
Feed.....		800		37,600	
Flour.....		675		94,500	
Fruits—					
Apples.....		150		13,500	
Bananas.....		75		3,750	
Coconuts.....		5		400	
Pears.....		7		420	
Grain.....		610		48,800	
Hay.....		25		875	
Molasses.....		36		2,880	
Oil, linseed.....		20		8,850	
Packing-house products.....		36		2,700	
Peanuts.....		12		1,920	
Rice.....		75		19,500	
Sugar.....		185		31,450	
Vegetables—					
Cabbage.....		75		4,500	
Lettuce.....		10		1,500	
Pineapples.....		75		7,500	
Potatoes, Irish.....		225		19,500	
Potatoes, sweet.....		37		4,000	
Tomatoes.....		20		1,000	
Other vegetables.....		9		1,300	
Other vegetable products, except fibers and wood.....			325		667,390
Cigars.....		10		50,000	
Drugs, etc.....		300		600,000	
Naval stores—Rosin.....		5		1,390	
Tobacco.....		10		16,000	
Textiles: Dry goods.....		200	200	200,000	200,000
Wood and paper.....			65		15,240
Doors, sash, etc.....		50		15,000	
Lath and shingles.....		15		240	
Nonmetallic minerals.....			1,163		58,400
Brick.....		100		600	
Cement.....		100		1,500	
Coal.....		100		1,500	
Lime.....		30		600	

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, LOCAL—continued.					
Nonmetallic minerals—Continued.					
Oils—					
Gasoline.....		328		\$24, 600	
Kerosene.....		200		9, 240	
Machine.....		230		18, 880	
Salt.....		75		1, 500	
Ores, metals, and manufactures, except machinery and vehicles.....			430		\$33, 300
Barbed wire.....		5		600	
Cast-iron pipe.....		320		19, 200	
Hardware.....		30		6, 000	
Nails.....		75		7, 500	
Machinery and vehicles: Machinery.....		100	100	15, 000	15, 000
Chemicals.....			475		78, 600
Fertilizer.....		375		21, 000	
Paints.....		100		57, 000	
Unclassified.....			8, 019		1, 527, 325
Canned goods.....		6, 889		1, 362, 075	
Groceries.....		150		37, 500	
Ice.....		330		1, 350	
Miscellaneous.....		630		126, 000	
Water.....		20		400	
Total.....		14, 908	14, 908		3, 356, 000
Total receipts and shipments.....	16, 505	14, 908	31, 413		3, 649, 306

There are no rates on the river.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products except wool and hair.....							3, 639	\$462, 500	3, 639	\$462, 500
Vegetable food products, oil seeds, expressed oils, and beverages.....	11, 250	\$900, 000					3, 212	312, 445	14, 462	1, 212, 445
Other vegetable products, ex- cept fibers and wood.....	75	30, 000					325	667, 390	400	697, 390
Textiles.....							200	200, 000	200	200, 000
Wood and paper.....	1, 083	77, 746	50	\$1, 500	1, 601	\$15, 500	65	15, 240	2, 799	109, 986
Nonmetallic minerals.....							14, 948	338, 106	14, 948	338, 106
Ores, metals and manufac- tures, except machinery and vehicles.....							430	33, 300	430	33, 300
Machinery and vehicles.....							100	15, 000	100	15, 000
Chemicals.....							475	78, 000	475	78, 000
Unclassified.....			133	10, 000			8, 019	1, 527, 325	8, 152	1, 537, 325
Total.....	12, 408	1, 007, 746	183	11, 500	1, 601	15, 500	31, 413	3, 649, 306	45, 605	4, 684, 052

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers.....	1,902		1,902	585,034	125,225
Motor boats.....	464		464	9,688	4,300
Sailboats.....	174	26	200	9,796	
Unregistered lighters.....	172		172	17,200	
Total.....	2,712	26	2,738	621,718	129,525

The above includes both arrivals and departures. About 218 boats, aggregating 21,000 net tons, were repaired at the marine ways of the Tampa Steam Ways Co., passing over this improvement.

MANATEE RIVER, FLA.*Comparative statement of traffic.*

Years.	Tons.		Value.	Passengers.	Years.	Tons.		Value.	Passengers.
	Freight.	Floated logs.				Freight.	Floated logs.		
1916.....	27,579	2,200	\$1,453,708	100,929	1919.....	34,112		\$1,321,040	19,639
1917.....	42,057	165	2,115,644	101,319	1920.....	42,810		681,485	20,000
1918.....	33,913	945	1,729,254	39,946					

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-miles.
	Bulk.	Pack-age.		By com-modities.	By classes.		
LOCAL RECEIPTS.							
Animals and animal products, except wool and hair.			696		\$287,310	Miles.	Cents.
Fish.....	66			\$10,560		20	
Meats, fresh.....		315		141,750		43	8.8
Meats, smoked.....		315		135,000		43	8.8
Vegetable food products, oil seeds, expressed oils, and beverages.			1,185		84,900		
Feed.....		800		37,600		43	8.8
Flour.....		275		38,500		43	8.8
Grain.....		110		8,800		43	3.7
Nonmetallic minerals: Oils, mixed.....	595		595	35,700	35,700	43	
Chemicals: Fertilizer.....		75	75	3,000	3,000	43	5.3
Unclassified.....			1,259		236,075		
Canned goods.....		629		110,075		43	8.8
Miscellaneous.....		630		126,000		43	8.8
Total.....	661	3,149	3,810		646,985		
LOCAL SHIPMENTS.							
Animals and animal products, except wool and hair: Shell.....	39,000		39,000	34,500	34,500	20	
Total receipts and shipments.....	39,661	3,149	42,810		681,485		

The distance carried and the rates per ton-mile apply to through traffic between Bradentown and Tampa.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	696	\$287,310	39,000	\$34,500	39,696	\$321,810
Vegetable food products, oil seeds, expressed oils and beverages.....	1,185	84,900			1,185	84,900
Nonmetallic minerals.....	595	35,700			595	35,700
Chemicals.....	75	3,000			75	3,000
Unclassified.....	1,259	236,075			1,259	236,075
Total.....	3,810	646,985	39,000	34,500	42,810	681,485

Vessel classification.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Steamers.....	920	239,000	20,000
Motor boats.....	622	5,916	
Unregistered:			
Motor boats.....	130	260	
Lighters.....	600	60,000	
Total.....	2,272	305,176	20,000

The above includes both arrivals and departures. In addition there are approximately 75 motor boats on the river.

HARBOR AT ST. PETERSBURG, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	16,104	\$1,101,319	138,488	1919.....	19,961	\$679,377	74,416
1917.....	22,151	2,371,559	132,329	1920 ¹	20,272	3,323,304	149,525
1918.....	15,466	1,068,048	106,143				

¹ Exclusive of 3,149 tons, cargoes in transit, valued at \$602,225.

[Navigation season opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal prod- ucts, except wool and hair.			3,997		\$415,533	Miles.	Cents.
Bacon, salt	100			\$30,000		22	10.91
Butter	45			54,000		22	10.91
Eggs	13			7,000		22	10.91
Fish	30			6,000		22	10.91
Do	1,108			240,383		15	
Meats, smoked		100		75,000		22	10.91
Poultry		1		150		22	
Shell	2,600			3,000		24	
Vegetable food products, oil- seeds, expressed oils, and beverages.			2,007		218,695		
Cottonseed meal		100		6,000		22	6.36
Flour		400		56,000		22	6.36
Fruits—							
Apples		150		13,500		22	
Bananas		75		3,750			
Coconuts		5		400			
Pears		7		420			
Grain		500		40,000		22	6.36
Hay		25		875		22	6.36
Molasses		36		2,880		22	10.91
Packing-house products		36		2,700		22	
Peanuts		12		1,920		22	
Rice		75		19,500		22	10.91
Sugar		185		31,450		22	10.91
Vegetables						22	12.73
Beans		1		250			
Cabbage		75		4,500			
Celery		8		1,050			
Lettuce		10		1,500			
Pineapples		25		7,500			
Potatoes, Irish		225		19,500			
Potatoes, sweet		37		4,000			
Tomatoes		20		1,000			
Other vegetable products, except fibers and wood			325		667,390		
Cigars		10		50,000		22	10.91
Drugs, etc		300		600,000		22	10.91
Naval stores—Turpen- tine		5		1,390		22	10.91
Tobacco		10		16,000		22	10.91
Textiles: Dry goods		200	200	200,000	200,000	22	
Wood and paper			65		15,210		
Doors, sash, etc.		50		15,000		22	(¹)
Lumber—							
Lath		3		60		22	(¹)
Shingles		12		180		22	(¹)
Nonmetallic minerals.			5,352		388,416		
Brick		100		600		22	
Cement		100		1,500		22	4.89
Coal	100			1,500		22	4.59
Lime		30		600		22	
Oils							
Gasoline	3,875			304,262		8	
Do		94		7,050		8	
Kerosene	724			44,584		8	
Do		34		1,570		8	
Linseed		20		8,850		8	
Machine		200		16,400		8	
Salt		75		1,500		22	10.91
Ores, metals, and manufac- tures, except machinery and vehicles			430		33,300		
Barbed wire		5		600		22	10.91
Cast-iron pipe		320		19,200		22	10.91
Hardware		30		6,000		22	10.91
Nails		75		7,500		22	10.91

¹ Special.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE—CON.							
Machinery and vehicles:						Miles.	Cents.
Machinery.....		100	100	\$15,000	\$15,000	22	10.91
Chemicals.....			400		75,000		
Fertilizer.....		300		18,000		22	6.14
Paints.....		100		57,000		22	10.91
Unclassified.....			7,396		1,291,730		
Canned goods.....		6,260		1,252,000		22	10.91
Groceries.....		150		37,500		22	10.91
Ice.....	966			4,830		15	
Water.....	20			400		15	
Total.....	9,393	10,879	20,272		3,323,304		

The improvement is in the nature of a terminal harbor, and the rates per ton-mile and the distances carried apply to transfer over Tampa and Hillsboro Bays to and from Tampa.

CARGOES IN TRANSIT.

Commodities.	Short tons.	Value.	Commodities.	Short tons.	Value.
Canned goods.....	629	\$110,075	Grain.....	110	\$8,800
Feed.....	800	37,600	Meats, smoked.....	315	135,000
Fertilizer.....	75	4,500	Meats, fresh.....	315	111,750
Flour.....	275	38,500	Miscellaneous.....	630	126,000
			Total.....	3,149	602,225

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	3,997	\$415,533
Vegetable food products, oilseeds, expressed oils, and beverages.....	2,007	218,686
Other vegetable products, except fibers and wood.....	325	667,390
Textiles.....	200	200,000
Wood and paper.....	65	15,240
Nonmetallic minerals.....	5,352	388,416
Ores, metals, and manufactures, except machinery and vehicles.....	430	33,300
Machinery and vehicles.....	100	15,000
Chemicals.....	100	75,000
Unclassified.....	7,396	1,291,730
Total.....	20,272	3,323,304

	Short tons.	Value.
Cargoes in transit.....	3,149	\$602,225

Vessel classification, 1920.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Steamers.....	2,094	607,690	145,525
Motor boats.....	1,690	21,860	4,000
Sailboats.....	66	1,870	
Unregistered:			
Motor boats.....	5,760	8,640	
Lighters and barges.....	250	13,890	
Total.....	9,860	653,950	149,525

The above includes both arrivals and departures. In addition there are about 75 motor boats in the harbor.

MONTGOMERY, ALA., DISTRICT.**CARRABELLE BAR AND HARBOR, FLA.***Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895.....	(¹)	\$600,000	(¹)	1911.....	(¹)	772,588	(¹)
1900.....	30,000	263,549	(¹)	1912.....	50,650	2,164,816	(¹)
1901.....	41,000	499,789	(¹)	1913.....	46,339	1,642,987	(¹)
1902.....	39,250	393,947	(¹)	1914.....	35,480	1,172,960	(¹)
1903.....	23,000	215,672	(¹)	1915.....	14,851	940,015	(¹)
1905.....	26,000	440,000	(¹)	1916.....	16,628	1,383,707	(¹)
1907.....	40,000	540,000	(¹)	1917.....	16,268	1,583,818	6,659
1908.....	(¹)	400,000	(¹)	1918.....	13,442	1,382,179	7,007
1909.....	(¹)	475,025	(¹)	1919.....	11,330	1,355,171	7,523
1910.....	(¹)	558,000	(¹)	1920.....	11,126	1,442,454	6,808

¹ No statistics available.

[Navigation season: Entire year.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Pack- age.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals, and animal products except wool and hair			1,712		\$211,022	Miles.	
Meat products.		6		\$2,000		6	\$0.04
Fish.	929			169,322		6	Cargo.
Oysters in shell.	694			27,760		6	Cargo.
Shrimp.	81			11,340		6	Cargo.
Animal hides and skins.		2		600		6	.03
Vegetable food products, oil seeds, expressed oils and beverages.			802		62,763		
Wheat flour.		11		1,500		6	.025
Corn meal, grits, and hominy.		23		2,313		6	.025
All other grains.		465		37,200		6	.02
Hay.		231		6,930		6	.02
Beans, dried.		2		360		6	.03

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—CON.							
Vegetable food products, oil seeds, expressed oils, and beverages—Continued.							
Potatoes, white.....		1		\$120		Miles. 6	Cents. 0.08
Fruits.....		50		5,000		6	.025
Coffee.....		2		1,200		6	.026
Sugar.....		15		7,800		6	.025
Sirup.....		2		340		6	.025
Other vegetable products, except fibers and wood.....			3,554		\$394,140		
Resin.....		2,922		204,540			
Turpentine.....		632		189,600			Cargo. Cargo.
Textiles: Manila rope, etc.....		3	3	2,400	2,400	6	.02
Wood and paper.....			80		1,465		
Timber, Southern yellow pine.....	64			920		6	.025
Barrels, casks, etc.....		15		345		6	.035
Wrapping paper.....		1		200		6	.025
Nonmetallic minerals.....			49		3,875		
Coal, bituminous.....	3			30		6	.02
Lubricating oils.....		21		3,145		6	.03
Cement and brick.....		25		700		6	.035
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel bars.....		92	92	13,700	13,700	6	.025
Chemicals: Fertilizer materials.....		115	115	8,050	8,050	6	.02
Unclassified.....			510		213,200		
Miscellaneous articles.....		487		194,800		6	.025
Household furniture.....		23		18,400		6	.045
Total.....	1,771	5,146	6,917		910,615		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.....			9		3,400		
Milk and cream.....		2		800		6	.045
Butter and cheese.....		2		1,600		6	.045
Fish.....		5		1,000		6	.04
Vegetable food products, oil seeds, expressed oils, and beverages.....			48		13,210		
Corn meal, grits, and hominy.....		14		1,400		6	.025
All other grains.....		1		80		6	.02
Beans, dried.....		1		180		6	.03
Vegetables, canned.....		4		1,200		6	.025
Coffee.....		13		7,800		6	.025
Sirup.....		15		2,530			
Other vegetable products, except fibers and wool.....			3,135		381,580		
Resin.....		2,514		175,980		6	.015
Turpentine.....		608		184,400		6	.015
Tobacco, manufactured.....		7		14,000		6	.045
Tobacco, unmanufactured.....		6		7,200		6	.04
Textiles.....			21		12,500		
Cotton, unmanufactured.....		1		300		6	.025
Cotton, manufactured.....		7		4,200		6	.045
Jute, including buraps and bagging.....		6		2,400		6	.025
Manila rope, etc.....		7		5,600		6	.025
Wool and paper: Wrapping paper.....		20	20	4,000	4,000	6	.025
Nonmetallic minerals.....		3	28		3,924		
Gasoline.....		3		99		6	.05
Lubricating oils.....		15		2,175		6	.046
Cement.....		5		150		6	.025
Glass.....		5		1,500		6	.035

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—CON.							
Ores, metals, and manufactures of, except machinery and vehicles			12		\$1,785	<i>Miles.</i>	<i>Cents.</i>
Wire		1		\$135		6	0.025
Other iron and steel		11		1,650		6	.025
Chemicals		12	34		7,840		
Fertilizer materials		12		840		6	.02
Ammunition (shells)		3		3,000		6	.025
Soap, laundry		19		4,000		6	.025
Unclassified			902		103,600		
Miscellaneous articles		848		85,600		6	.025
Household furniture		54		20,000		6	.045
Total		4,209	4,209		531,839		
Total receipts and shipments, coastwise	1,771	9,355	11,126		1,442,454		

SUMMARY.

Classes of commodities.	Receipts, coastwise.		Shipments, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair	1,712	\$211,022	9	\$3,400	1,721	\$214,422
Vegetable food products, oilseeds, expressed oils, and beverages	802	62,763	48	13,210	850	75,973
Other vegetable products, except fibers and wood	3,554	394,140	3,135	381,580	6,689	775,720
Textiles	3	2,400	21	12,500	24	14,900
Wood and paper	80	1,465	20	4,000	100	5,465
Nonmetallic minerals	49	3,875	28	3,924	77	7,799
Ores, metals, and manufactures of, except machinery and vehicles	92	13,700	12	1,785	104	15,480
Chemicals	115	8,050	34	7,840	149	15,890
Unclassified	510	213,200	902	103,600	1,412	316,800
Total	6,917	910,615	4,209	531,839	11,126	1,442,454

Vessel classification.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers	2	381	6,808
Gasoline launches	23	130	
Fishing smacks	13	132	
Tugs	1	30	
Barges	6	600	
Total	45	1,273	6,808

HARBOR AT APALACHICOLA BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1897	75,741	\$830,146	(1)	1911	(1)	1,158,882	(1)
1898	81,000	1,250,000	(1)	1912	38,735	2,331,084	(1)
1900	(1)	1,321,034	(1)	1913	42,900	2,027,901	(1)
1901	71,000	791,569	(1)	1914	29,775	1,749,822	(1)
1902	55,850	754,575	(1)	1915	22,947	1,462,948	(1)
1903	(1)	520,412	(1)	1916	26,274	1,906,451	(1)
1906	44,000	1,200,000	(1)	1917	25,592	2,161,806	6,922
1907	76,000	1,240,000	(1)	1918	34,129	1,977,991	7,191
1908	(1)	900,000	(1)	1919	28,112	1,760,943	7,606
1909	(1)	712,538	(1)	1920	17,406	1,764,915	12,323
1910	(1)	837,000	(1)				

¹ No statistics available.

(Navigation season: Entire year.)

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Rate per ton-mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal prod- ucts, except wool and hair			2,035		\$222,080	Miles.	
Meat products.		2		\$400		30	\$0.035
Milk and cream.		2		800		30	.035
Butter and cheese.		2		1,600		30	.035
Fish.	321			57,780		30	Cargo.
Oysters, in shell.	1,089			135,800		16	Cargo.
Shrimp.	617			123,400		16	Cargo.
Hides and skins.		1		300		30	.035
Leather (sole).		1		1,600		30	.035
Vegetable food products, oil- seeds, expressed oils, and beverages.			1,024		127,165		
Corn meal, grits, and hominy.		45		4,500		30	.025
All other grains.		427		34,160		30	.025
Hay.		9		270		30	.025
Bran and middlings.		248		12,400		30	.025
Beans, dried.		2		360		30	.025
Potatoes, white.		17		2,040		30	.025
Onions.		88		10,760		30	.025
Vegetables, canned.		20		6,000		30	.025
Fruit.		58		5,800		30	.045
Coffee.		17		7,800		30	.025
Sugar.		78		40,520		30	.025
Sirup.		15		2,555		30	.025
Other vegetable products, except fibers and wood.			2,937		405,280		
Resin.		2,144		150,080		15	Cargo.
Turpentine (spirits).		780		234,000		15	Cargo.
Tobacco, manufactured.		7		14,000		30	.045
Tobacco, unmanufact- ured.		6		7,200		30	.045
Textiles.			16		10,300		
Cotton, unmanufactured		1		301		30	.025
Cotton cloth.		1		1,200		30	.035
Burlaps and bagging.		6		2,401		30	.035
Manila rope and cordage.		8		6,400		30	.035
Nonmetallic minerals.			815		39,747		
Kerosene oil.	140			4,612		30	Cargo.
Gasoline.	455			32,460		30	Cargo.
Lubricating oils.		141		23,375		30	.025
Cement.		79		2,370		30	.025
Ores, metals and manufac- tures of, except machinery and vehicles.			202		30,570		
Wire.		2		270		30	.035
Iron and steel bars, etc.		192		28,700		30	.025
All other metals.		8		1,600		30	.025

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
[RECEIPTS, COASTWISE—CON.]							
Chemicals.....			44		\$7, 690	Miles.	
Fertilizer materials.....		22		\$1, 540		30	0.025
Ammunition (shells).....		2		2, 000		30	.035
Soap, laundry, etc.....		20		4, 150		30	.035
Unclassified.....			2, 146		239, 000		
Miscellaneous articles.....		2, 085		213, 400		30	.035
Household furniture.....		61		25, 600		30	.045
Total.....	2, 622	6, 597	9, 219		1, 101, 832		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.....			268		32, 890		
Live animals.....	6			2, 000		30	.055
Fish.....	4			800		30	.045
Oysters in shell.....	161			6, 440		30	.045
Oysters, shucked.....		7		2, 800		30	.055
Shrimp.....		81		18, 150		30	.055
Hides and skins.....		9		2, 700		30	.035
Vegetable food products, oilseeds, expressed oils, and beverages.....			343		28, 693		
Corn meal, grits, and hominy.....		2		213		30	.025
All other grains.....		334		26, 720		30	.025
Bran and middlings.....		4		200		30	.025
Sugar.....		3		1, 560		30	.025
Other vegetable products, except fibers and wood.....			3, 861		464, 620		
Resin.....		3, 016		211, 120		30	.025
Turpentine.....		845		253, 500		30	.035
Wood and paper: Lumber.....							
Southern yellow pine.....	3, 420		3, 420	68, 400	68, 400	30	Cargo.
Unclassified.....			295		68, 480		
Miscellaneous articles.....		274		51, 680		30	.035
Household furniture.....		21		16, 800		30	.045
Total.....	3, 591	4, 596	8, 187		663, 083		
Total receipts and shipments.....	6, 213	11, 193	17, 406		1, 764, 915		

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	2, 035	\$222, 080	268	\$32, 890	2, 303	\$254, 970
Vegetable food products, oilseeds, expressed oils, and beverages.....	1, 024	127, 165	343	28, 693	1, 367	155, 858
Other vegetable products, except fibers and wood.....	2, 937	405, 280	3, 861	464, 620	6, 798	869, 900
Textiles.....	16	10, 300			16	10, 300
Wood and paper.....			3, 420	68, 400	3, 420	68, 400
Nonmetallic minerals.....	815	59, 747			815	59, 747
Ores, metals and manufactures of, except machinery and vehicles.....	202	30, 570			202	30, 570
Chemicals.....	44	7, 690			44	7, 690
Unclassified.....	2, 146	239, 000	295	68, 480	2, 441	307, 480
Total.....	9, 219	1, 101, 832	8, 187	663, 083	17, 406	1, 764, 915

Vessel classification.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers.....	3	450	12,323
Gasoline launches.....	151	897	
Tugs.....	4	231	
Barges.....	12	1,200	
Total.....	170	2,787	12,323

All above vessels engaged in coastwise traffic and use of harbor.

APALACHICOLA RIVER, CUT-OFF, LEE SLOUGH, AND LOWER CHIPOLA RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	143,503	\$13,215,737		1917.....	88,424	\$7,056,565	8,131
1913.....	153,732	13,498,409		1918.....	83,105	6,287,426	7,549
1914.....	122,097	12,954,540		1919.....	85,079	6,524,640	8,145
1915.....	94,418	7,802,525		1920.....	63,510	4,110,450	7,051
1916.....	89,580	6,940,311	7,096				

Freight traffic, 1920.

[Navigation season: Entire year.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Pack- age.		By com- modities.	By classes.		
SHIPMENTS, DOWNSTREAM.							
Animals and animal products, except wool and hair.....			305		\$112, 700	Miles.	
Other cattle.....	35			\$3, 625		40	\$1. 04
Hams and shoulders.....	36			19, 450		65	.035
Bacon, side meat.....	162			63, 225		65	.035
Canned meats.....	8			3, 173		65	.035
Milk and cream, con- densed.....	7			4, 025		65	.035
Butter.....	3			2, 150		65	.035
Salt fish, various.....	4			1, 175		65	.035
Canned fish, various.....	3			1, 225		65	.035
Lard and substitutes.....	28			9, 775		65	.035
Cattle and horsehides.....	17			3, 300		65	.035
Leather manufactures.....	2			1, 575		65	.035
Vegetable food products, oil seeds, expressed oils, and beverages.....			2, 224		210, 350		
Corn, grain.....	356			12, 450		65	.05
Corn meal.....	91			10, 775		65	.035
Grits and hominy.....	11			1, 425		65	.035
Oats, grain.....	404			11, 025		65	.05
Oatmeal.....	1			175		65	.035
Rice, grain.....	9			1, 100		65	.05
Wheat, grain.....	527			41, 325		65	.05
Wheat, flour.....	102			14, 850		65	.03
Bread, biscuits, etc.....	3			650		65	.05
Hay, baled.....	232			6, 475		65	.05
Bran and middlings.....	46			2, 225		65	.03
Prepared feeds.....	28			1, 925		65	.05

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—continued.							
Vegetable food products, oil seeds, expressed oils, and beverages—Contd.						Miles.	
Cowpeas, etc.		8		\$625		60	\$0.035
Potatoes.		18		2,025		65	.04
Onions.		2		250		65	.04
Other fresh vegetables.		4		475		65	.04
Canned vegetables.		5		725		65	.035
Subtropical fruits.		64		3,875		65	.04
Dried evaporated fruits.		4		1,175		65	.035
Canned fruits.		3		1,025		65	.035
Coffee.		39		15,500		65	.035
Sugar.		138		42,225		65	.03
Molasses and sirup.		123		35,875		50	.035
Confectionery.		2		2,175		65	.035
Other vegetable products, except fibers and wood.			2,023		\$373,675		
Rosin.		1,186		124,425		65	.025
Wood turpentine.		837		249,250		65	.025
Textiles.			13		9,050		
Manufactured cotton.		5		3,825		65	.035
Other vegetable fibers manufactured.		3		1,350		65	.035
Wool.		5		3,875		60	.03
Wood and paper.			24,215		319,625		
Logs, Southern yellow pine, rafted.	13,416			138,250			Rafted.
Other soft woods, rafted.	12,054			138,575			Rafted.
Railroad ties.	2,100			17,925		65	.03
Boards, Southern yellow pine.	625			19,750		65	.05
Shingles.		15		3,175		65	.03
Wood manufactures.		5		1,950		65	.035
Nonmetallic minerals.			818		27,125		
Cement, Portland.		178		5,375		65	.03
Bricks, building.	275			3,975		55	.03
Gasoline, naphtha, etc.		160		11,225		65	.05
Illuminating oil.		48		2,875		65	.05
Lubricating oil.		6		725		65	.05
Salt.		151		2,950		65	.04
Ores, metals and manufactures of, except machinery and vehicles.			37		9,800		
Plain wire.		2		275		65	.05
Galvanized wire.		4		725		65	.055
Barbed wire.		6		1,025		65	.05
Woven wire fencing.		14		2,875		65	.05
Cutlery.		1		2,225		65	.05
Hollow ware.		2		775		65	.05
Wire nails.		4		575		65	.05
Stoves and furnaces.		2		625		65	.05
Tools, various.		1		475		65	.05
Hardware, n. e. s.		1		225		65	.05
Machinery and vehicles.			45		21,875		
Sawmill machinery.		3		1,425		45	.08
Implements of cultivation.		21		6,250		55	.05
Harvesting machinery.		11		3,575		55	.05
Automobiles, passenger.		6		9,375		65	.05
Wagons, etc.		4		1,250		65	.05
Chemicals.			3,360		147,450		
Baking powder.		4		1,175		65	.04
Sodas and sodium compounds.		5		425		65	.04
Medicinal and pharmaceutical preparations.		1		2,625		65	.05
Paint, stain, etc.		11		7,625		65	.035
Prepared fertilizer.	3,325			132,250		65	.04
Soap, laundry, etc.		12		2,375		65	.035
Other chemical products.		2		975		65	.04
Unclassified miscellaneous.		3,387	3,387		541,925	65	.04
Total.	28,470	11,957	40,427		1,773,575		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM.							
Animals and animal products, except wool and hair.....			321		\$89,600	Miles.	
Other cattle.....		155		\$23,225		45	\$0.04
Hams and shoulders.....		23		12,650		65	.035
Bacon, side meat.....		87		34,800		65	.035
Canned meats.....		3		1,175		65	.035
Salt fish.....		17		5,125		65	.035
Canned fish.....		2		775		65	.035
Lard and substitutes.....		34		11,850		65	.035
Vegetable food products, oil seeds, expressed oils, and beverages.....			1,906		187,500		
Corn, grain.....		334		9,775		65	.05
Corn meal.....		52		5,325		65	.035
Hominy and grits.....		4		425		65	.035
Oats, grain.....		240		7,025		65	.05
Oatmeal.....		1		175		65	.035
Rice, grain.....		6		725		65	.05
Wheat, grain.....		420		33,525		65	.06
Wheat, flour.....		62		8,650		65	.03
Bread, biscuits, etc.....		2		425		65	.035
Macaroni, cereals, etc.....		121		200		65	.035
Hay, baled.....		126		3,750		65	.03
Bran and middlings.....		33		1,625		65	.03
Prepared feeds.....		8		550		65	.03
Potatoes.....		12		1,375		65	.04
Other fresh vegetables.....		3		400		65	.04
Subtropical fruits.....		251		17,375		70	.03
Dried (evaporated) fruits.....		3		875		65	.035
Canned fruits.....		5		1,575		65	.035
Preserved fruits, etc.....		1		400		65	.035
Cotton seed.....		38		1,825		65	.04
Sugar.....		68		20,500		80	.03
Coffee.....		19		7,500		65	.035
Molasses and sirup.....		217		63,500		80	.03
Other vegetable products except fibers and wood.....			9,283		1,350,600		
Rosin.....		7,429		816,650		70	.025
Wood turpentine.....		1,578		512,100		70	.025
Tar and pitch.....		276		21,850		80	.025
Textiles.....			71		34,950		
Cotton, short staple.....		48		23,375		50	.03
Wool.....		23		11,575		65	.04
Wood and paper.....			7,207		121,075		
Railroad ties.....	3,682			32,675		50	.04
Boards: Southern yellow pine.....	2,022			42,775		65	.05
Shingles.....		128		27,725		85	.04
Veneer blocks.....	1,377			17,900		20	.07
Nonmetallic minerals.....			782		32,800		
Cement, Portland.....		68		1,350		60	.03
Brick, building.....	189			2,200		55	.03
Gasoline, naphtha, etc.....		276		19,275		65	.03
Illuminating oil.....		79		4,650		65	.03
Lubricating oil.....		19		2,375		65	.03
Salt.....		151		2,960		65	.04
Ores, metals and manufactures of, except machinery and vehicles.....			119		16,600		
Steel bars and rods.....	87			11,875		85	.05
Wire nails.....		32		4,725		85	.05
Chemicals.....			116		5,100		
Baking powder.....		2		575		65	.04
Soda and sodium compound.....		2		175		65	.04
Prepared fertilizer.....		112		4,350		25	.04
Unclassified: Miscellaneous.....		3,276	3,276	498,650	498,650	70	.04
Total.....	7,357	15,726	23,083		2,336,875		
Total shipments.....	35,827	27,683	63,510		4,110,450		

Freight traffic, 1920—Continued.

SUMMARY.

Class.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, etc.	305	\$112,700	321	\$89,600	626	\$202,300
Vegetable food products, etc.	2,224	210,350	1,906	187,500	4,130	397,850
Other vegetable products, etc.	2,023	373,675	9,283	1,350,600	11,306	1,724,275
Textiles.	13	9,050	71	34,950	84	44,000
Wood and paper.	28,215	319,625	7,209	121,075	35,424	440,700
Nonmetallic minerals.	818	27,125	782	32,800	1,600	59,925
Ores, metals, etc.	37	9,800	119	16,600	156	26,400
Machinery and vehicles.	45	21,875			45	21,875
Chemicals.	3,360	147,450	116	5,100	3,476	152,550
Unclassified.	3,387	541,925	3,276	498,650	6,663	1,040,575
Total.	40,427	1,773,575	23,083	2,336,875	63,510	4,110,450

Vessel classification.

Class.	Number.	Net registered tonnage.
Registered:		
Steamers.	3	511
Gasoline launches.	5	64
Tugs.	3	67
Unregistered:		
Barges.	4	400
Rafts.	322	

UPPER CHIPOLA RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1898.	490	\$20,612		1912.	6,289	\$318,168	
1899.	24,236	510,707		1913.	10,006	319,792	
1900.	9,476	314,000		1914.	7,337	352,205	
1901.	7,321	402,820		1915.	10,419	428,695	
1902.	10,716	637,000		1916.	7,521	450,595	419
1903.	5,110	510,000		1917.	8,026	567,727	360
1901.	(1)	408,500		1918.	8,243	569,256	337
1905.	1,758	88,000		1919.	12,230	1,003,969	302
1907.		\$100,000		1920.	12,079	938,575	289
1908.		\$100,000					

¹ No statistics available.² Fiscal year.

Freight traffic, 1920.

[Navigation season: Entire year.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM.							
Animals and animal products, except wool and hair.			30		\$11,950	Miles.	
Hams and shoulders.		5		\$2,625		45	\$0.04
Bacon, side meat.		17		6,575		45	.04
Lard and substitutes.		8		2,750		45	.04
Vegetable food products, oil-seeds, expressed oils, and beverages.			140		37,075		
Meal.		13		1,275		45	.04
Wheat flour.		22		3,075		45	.04
Cotton seed.		13		5,125		45	.03
Sirup.		92		27,600			
Other vegetable products, except fibers and wood.			2,486		386,400		
Rosin.		1,624		178,650		45	.04
Wood turpentine.		862		207,750		45	.04
Wood and paper.			5,563		72,350		
Logs, yellow-pine, rafted.	4,060			51,450		30	Rafted.
Other softwoods, rafted.	1,316			17,875		30	Rafted.
Boards, yellow-pine.	187			3,025		40	.03
Unclassified: Miscellaneous.		109	109	27,250	27,250	45	.03
Total.	5,563	2,765	8,328		535,025		
SHIPMENTS, UPSTREAM.							
Animals and animal products, except wool and hair.			92		36,800		
Hams and shoulders.		11		5,975		40	.04
Bacon, side meat.		58		22,850		40	.04
Lard and substitutes.		23		7,975		40	.04
Vegetable food products, oil-seeds, expressed oils, and beverages.			831		46,525		
Corn, grain.		132		4,625		40	.04
Corn meal.		24		2,375		40	.04
Grits and hominy.		3		2,425		40	.04
Oats, grain.		242		7,150		40	.04
Rice, grain.		3		325		40	.04
Wheat, grain.		116		9,375		40	.04
Wheat, flour.		37		5,200		40	.04
Bread, biscuits, etc.		2		475		40	.04
Hay, baled.		201		5,425		40	.03
Bran and middlings.		38		1,750		40	.03
Prepared feeds.		14		875		40	.03
Dried and evaporated fruits.		1		325		45	.04
Canned fruits.		1		350		45	.04
Coffee, roasted.		9		3,375		45	.04
Sugar.		8		2,475		45	.04
Wood and paper.			1,065		12,525		
Boards, yellow-pine.	188			5,225		35	.04
Shingles.		9		350		35	.04
Railroad ties.	868			6,950		35	.04
Nonmetallic minerals.			296		7,400		
Portland cement.		126		3,750		40	.04
Building brick.	81			825		40	.04
Gasoline, naphtha, etc.		18		1,225		40	.04
Illuminating oil.		3		175		40	.04
Lubricating oil.		1		150		40	.04
Salt.		67		1,275		40	.04
Ores, metals, and manufactures of, except machinery and vehicles.			52		8,550		
Plain wire.		2		225		35	.04
Galvanized wire.		5		825		35	.04
Barbed wire.		11		1,875		35	.04
Woven wire fencing.		26		4,100		35	.04
Wire nails.		6		775		35	.04
Stoves and furnaces.		1		275		40	.04
Tools, various.		1		475		40	.04

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, UPSTREAM— continued.							
Chemicals.....			94		\$6,475	Miles.	
Baking powder.....		1		\$300		40	\$0.04
Sodas and soda com- pounds.....		3		425		40	.04
Paints, stains, etc.....		3		1,775		40	.04
Prepared fertilizer.....		83		3,150		40	.04
Soap, laundry.....		4		825		40	.04
Unclassified: Miscellaneous.	1,137	1,321	1,321	285,275	285,275	40	.04
Total.....	1,137	2,614	3,751		403,550		
Total shipments.....	6,700	5,379	12,079		938,575		

SUMMARY.

Class.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	30	\$11,950	92	\$36,800	122	\$48,750
Vegetable food products.....	140	37,075	831	46,525	971	83,600
Other vegetable products.....	2,486	388,400			2,486	388,400
Wood and paper.....	5,563	72,350	1,065	12,525	6,628	84,875
Nonmetallic minerals.....			296	7,400	296	7,400
Ores, metals, etc.....			52	8,550	52	8,550
Chemicals.....			94	6,475	94	6,475
Unclassified.....	109	27,250	1,321	285,275	1,430	312,525
Total.....	8,328	535,025	3,751	403,550	12,079	938,575

Vessel classification.

Class.	Number.	Net registered tonnage.
Registered:		
Steamers.....	1	93
Barges.....	1	100
Rafts.....	11	

FLINT RIVER, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896.....	3,024	\$195,000		1909.....	29,809	\$2,692,565	
1897.....	4,818	240,900		1910.....	30,243	2,794,776	
1898.....	11,235	898,800		1911.....	10,448	785,159	
1899.....	18,055	982,025		1912.....	26,683	1,599,335	3,930
1900.....	29,964	1,500,000		1913.....	33,594	2,176,541	4,666
1901.....	17,312	865,000		1914.....	37,537	2,351,113	3,850
1902.....	34,549	1,727,000		1915.....	23,003	1,606,348	3,660
1903.....	26,316	1,315,800		1916.....	26,007	2,069,386	3,256
1904.....	30,792	1,539,600		1917.....	29,663	1,810,958	2,430
1905.....	16,711	740,106		1918.....	23,668	1,702,268	2,104
1906.....	8,245	850,000		1919.....	22,246	2,030,613	1,945
1907.....	13,145	1,182,585		1920.....	17,339	2,038,775	2,028
1908.....	2,800	100,000					

[Navigation season: Entire year.]

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM.							
Animals and animal products, except wool and hair.			85		\$38,850	Miles.	
Hams and shoulders, cured.		6		\$3,250		30	\$0.03
Bacon, side meat.		38		15,000		30	.03
Canned meats, various.		8		3,225		30	.03
Milk and cream, condensed.		3		800		30	.03
Cheese, other.		2		800		30	.03
Salt and pickled fish.		2		625		30	.03
Canned fish.		4		1,550		30	.03
Lard and substitutes.		19		7,500		30	.03
Leather footwear.		2		4,225		30	.03
Other leather manufactures.		1		1,875		30	.03
Vegetable food products, oil seeds, expressed oils, and beverages.			1,309		99,150		
Corn, grain.		212		5,300		25	.02
Corn meal.		82		8,250		30	.03
Oats, grain.		93		2,800		25	.02
Oatmeal, rolled oats.		2		325		30	.03
Rice, grain.		21		2,500		25	.02
Wheat, grain.		308		24,650		25	.02
Wheat flour.		105		14,700		30	.03
Hay, baled.		330		10,000		30	.03
Straw.		55		1,175		30	.03
Cottonseed meal, etc.		10		900		30	.03
Bran and middlings.		22		1,100		30	.03
Prepared feeds.		22		1,550		30	.03
Cowpeas, etc.		8		700		30	.03
Potatoes.		16		1,000		30	.03
Onions.		2		175		30	.03
Vegetables, canned.		2		400		30	.03
Pickles, vinegar, etc.		1		625		30	.03
Fruits, all kinds.		1		175		30	.03
Fruits, dried, etc.		2		550		30	.03
Fruits, canned.		2		600		30	.03
Preserved fruits, jellies, jams, etc.		1		600		30	.03
Coffee, roasted.		2		775		30	.03
Sugar.		3		1,050		30	.03
Molasses and sirup.		63		18,475		30	.03
Beverages, bottled.		4		175		30	.03
Other vegetable products, except fibers and wood.			2,268		167,500		
Rosin.		687		75,575		15	.04
Wood turpentine.		1,575		83,825		25	.03
Seeds for sowing.		1		175		25	.03
Tobacco manufactures.		4		7,575		30	.03
Miscellaneous.		1		350		30	.03
Textiles.			31		31,100		
Cotton, short staple.	10			5,000		30	.03
Cotton manufactures.		5		9,375		30	.03
Cordage, except jute.		8		3,750		30	.03
Other vegetable fibers.		3		1,750		30	.03
Wool manufactures.		5		11,225		30	.03
Wood and paper.			979		15,225		
Logs—							
Yellow pine, rafted.	170			2,725		15	Raft.
Other soft woods, rafted.	250			3,000		15	Raft.
Boards, etc., yellow pine.	350			6,325		30	.03
Wood manufactures.		6		2,000		30	.03
Paper, except printed matter, various.		3		1,175		30	.03
Group No. 5: Nonmetallic minerals.			895		32,875		
Gasoline, naphtha, etc.		260		17,000		30	.03
Portland cement.		350		10,500		30	.02
Glass and glass products, various.		2		550		30	.03
Building bricks.	260			4,000		30	.02
Salt.		72		825		30	.02

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—continued.							
Ores, metals, and manufactures of, except machinery and vehicles.			59		\$10,400	Miles.	
Steel and iron bars.	18			\$1,800		30	\$0.03
Wrought pipe.	8			1,200		30	.03
Wire and fencing.	22			3,975		30	.03
Castings, various.	4			500		30	.03
Hollow ware.		1		400		30	.03
Stoves and furnaces.		1		250		30	.03
Tools, various.		2		650		30	.03
Hardware, various.		3		1,625		30	.03
Machinery and vehicles.			17		12,750		
Implements of cultivation.		4		2,250		30	.03
Automobiles, passenger.	5			7,500		30	.03
Carriages, wagons, etc.	8			3,000		30	.03
Chemicals.			864		42,150		
Baking powder.		2		600		30	.03
Sodas and sodium compounds.		3		275		30	.03
Washing powders, etc.		1		400		30	.03
Medicinal and pharmaceutical preparations.		1		3,000		30	.03
Paints and stains.		2		1,150		30	.03
Prepared fertilizers.		850		32,800		25	.02
Dynamite.		1		800		30	.05
Loaded cartridges.		2		3,000		30	.05
Miscellaneous chemical products.		2		425		30	.03
Unclassified: Miscellaneous.		2,240	2,240		765,000	30	.03
Total.	1,301	7,506	8,807		1,215,300		
SHIPMENTS, UPSTREAM.							
Animals and animal products, except wool and hair.			57		25,325		
Hams and shoulders, cured.		8		4,400		30	.03
Bacon, side meat.		22		8,800		30	.03
Eggs in shell.		2		750		30	.03
Canned meats, various.		3		1,175		30	.03
Milk and cream, condensed.		2		625		30	.03
Butter.		1		625		30	.03
Cheese.		1		425		30	.03
Canned fish, various.		4		1,400		30	.03
Lard and substitutes.		13		5,150		30	.03
Leather manufactures.		1		1,975		30	.03
Vegetable food products, oil seeds, expressed oils and beverages.			1,740		166,275		
Corn, grain.		319		7,975		30	.02
Cornmeal.		12		1,200		30	.03
Hominy and grits.		2		225		30	.03
Oats, grain.		137		4,000		30	.02
Rice, grain.		3		350		30	.02
Wheat.		242		19,350		30	.02
Wheat flour.		61		8,550		30	.03
Other wheat products.		3		600		30	.03
Hay, baled.		322		9,700		30	.03
Straw.		5		100		30	.03
Prepared feeds.		113		7,900		30	.03
Potatoes.		24		2,400		30	.03
Onions.		1		100		30	.03
Other fresh vegetables.		2		175		30	.06
Canned vegetables.		3		375		30	.03
Fruit, subtropical, fresh.		150		1,500		30	.03
Coffee, roasted.		3		1,250		30	.03
Sugar.		118		35,400		25	.03
Molasses and sirup.		216		64,950		30	.03
Bottled beverages.		4		225		30	.03

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM—continued.							
Other vegetable products, except fibers and wood.			4,829		\$346,500.	Miles.	
Rosin.		4,825		\$342,250		30	\$0.03
Seeds for sowing.		2		425		30	.03
Tobacco manufactures.		2		3,825		30	.03
Textiles.			6		7,275		
Cotton manufactures, various.		3		2,875		30	.03
Wool manufactures, various.		2		3,125		30	.03
Miscellaneous textile products.		1		1,275		30	.03
Wood and paper.			380		22,225		
Telegraph poles.	150			9,000		30	.03
Boards, etc., yellow pine.	140			4,100		30	.03
Shingles.		75		5,000		30	.03
Manufactures of wood.		8		2,250		30	.03
Paper, various.		7		1,875		30	.03
Nonmetallic minerals: Gasoline, naphtha, etc.		235	235	16,450	16,450	30	.03
Ores, metals, and manufactures, except machinery and vehicles.			36		5,875		
Railway track material.		14		1,975		30	.03
Wire manufactures, various.	9			1,500		30	.03
Castings and forgings.	7			1,125		30	.03
Other manufactures, various.		6		1,275		30	.03
Chemicals.			374		20,425		
Chemicals, except coal tar, various.		5		1,200		30	.03
Paints, stains, etc.		7		3,725		30	.03
Prepared fertilizers.		350		13,725		30	.02
Soap, laundry.		12		1,575		30	.03
Unclassified: Miscellaneous.		875	875	213,125	213,125	30	.03
Total.....	306	8,226	8,532		823,475		
Total shipments.....	1,607	15,732	17,339		2,068,775		

SUMMARY.

Classes.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.	85	\$38,850	57	\$25,325	142	\$64,175
Vegetable food products, oil seeds, expressed oils, and beverages.	1,369	99,150	1,740	166,275	3,109	265,425
Other vegetable products, except fibers and wood.	2,268	167,500	4,829	346,500	7,097	514,000
Textiles.	31	31,100	6	72,750	37	38,375
Wood and paper.	979	15,225	380	22,225	1,359	37,450
Nonmetallic minerals.	895	32,875	235	16,450	1,130	49,325
Ores, metals and manufactures of, except machinery and vehicles.	59	10,400	36	5,875	95	16,275
Machinery and vehicles.	17	12,750			17	12,750
Chemicals.	864	42,450	374	20,425	1,238	62,875
Unclassified.	2,240	765,000	875	213,125	3,115	978,125
Total.	8,807	1,215,300	8,532	823,475	17,339	2,038,775

Vessel classification.

Classes.	Number.	Net registered tonnage.
Registered steamers.....	3	396
Unregistered:		
Barges.....	1	100
Rafts.....	12	.....

CHATTAHOOCHEE RIVER, GA. AND ALA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	100,122	\$11,742,547	9,049	1917.....	46,928	\$5,320,592	6,714
1913.....	107,238	11,951,481	8,788	1918.....	47,004	5,511,113	6,832
1914.....	95,442	10,103,756	9,708	1919.....	50,558	4,874,553	4,350
1915.....	70,105	7,866,126	5,227	1920.....	24,696	3,023,025	3,447
1916.....	52,473	5,527,969	5,121				

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton mile.
	Bulk.	Package.		By commodities.	Classes.		
SHIPMENTS, DOWNSTREAM.							
Animals and animal products, except wool and hair.			114		\$35,350	Miles.	Cents.
Other cattle.		44		\$4,950		50	3
Ham and shoulders, cured.		14		7,000		100	4
Bacon, side meat.		32		13,000		100	4
Canned meats, various.		4		1,950		100	4
Milk and cream, condensed.		2		550		100	4
Butter.		2		1,400		100	4
Salt fish.		2		600		100	4
Canned fish, various.		4		1,650		100	4
Lard and substitutes.		6		2,050		100	4
Hides, cattle.		2		150		100	3
Leather manufactures.		2		1,550		100	4
Vegetable food products, oil seeds, expressed oils, and beverages.			2,977		386,825		
Corn, grain.	480			12,125		110	3.5
Corn meal.	50			5,625		110	4
Grits and hominy.	15			1,625		110	4
Oats, grain.	185			5,625		110	3.5
Rice, grain.	40			5,000		110	3.5
Wheat, grain.	540			45,000		110	3.5
Wheat flour.	320			46,000		110	4
Bread, biscuits, etc.	10			2,250		110	4
Hay, baled.	105			3,250		110	3.5
Bran and middlings.	55			2,750		110	4
Prepared feeds.	20			1,500		110	3.5
Cowpeas and fodder beans.	35			3,000		110	3.5
Potatoes.	45			5,000		110	4
Other fresh vegetables.	10			1,250		110	5
Subtropical fruits.	42			3,875		110	5
Dried and evaporated fruits.	3			875		110	4
Canned fruits, various.	2			575		110	4

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—continued.							
Vegetable food products, oil seeds, expressed oils, and beverages—Continued.						Miles.	Cents.
Cotton seed		260		\$11,500		55	4
Coffee, roasted		30		12,500		110	4
Sugar		420		125,000		110	6
Molasses and sirup		310		92,500		110	4
Other vegetable products, except fibers and wood			3,326		\$190,600		
Rosin		2,670		293,700		50	5
Wood turpentine		656		196,900		50	5
Textiles			180		99,275		
Cotton, short staple		140		70,000		85	3
Cotton manufactures		15		10,800		110	4
Other vegetable fibers		22		12,750		110	4
Wool manufactures		3		5,725		110	4
Wood and paper			1,295		28,300		
Logs:							
Southern yellow pine	587			9,400		40	Raft.
Other soft wood	212			2,550		40	Raft.
Boards, etc., southern yellow pine	452			13,600		80	3
Shingles		44		2,750		50	3
Nonmetallic minerals			696		20,850		
Cement, Portland		220		6,750		50	6
Bricks, building	180			2,750		50	5
Gasoline, naphtha, etc.		52		3,300		110	3
Illuminating oil		22		1,300		110	3
Lubricating oils		6		550		110	3
Glass and glass products		3		875		110	5
Salt		213		5,325		110	3
Ores, metals, and manufactures of, except machinery and vehicles			155		30,775		
Plain wire		30		4,500		140	3
Galvanized wire		10		2,000		140	3
Barbed wire		50		9,000		140	3
Woven wire fencing		30		5,500		140	3
Cutlery, various		1		2,500		110	5
Hollow ware, various		3		1,150		110	5
Wire nails		25		3,750		110	4
Stoves and furnaces		2		500		110	4
Tools, various		4		1,875		110	5
Machinery and vehicles			62		30,875		
Implements of cultivation, various		31		9,500		140	5
Harvesting machinery		21		6,525		140	5
Automobiles, passenger		8		14,275		85	5
Wagons, drays, etc.		2		575		110	5
Chemicals			4,506		193,750		
Baking powder		3		875		110	5
Sodas and sodium compounds		4		500		110	5
Medicinal and pharmaceutical preparations		2		6,225		110	6
Pigments, paints, etc.		6		3,500		110	5
Prepared fertilizer	4,460			177,250		110	3
Cartridges, loaded		3		4,650		110	5
Soap, laundry		28		5,750		110	5
Unclassified: Miscellaneous		602	602	231,700	231,700	110	4
Total	1,431	12,482	13,913		1,548,300		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM.							
Animals and animal products, except wool and hair			813		\$170,650	Miles.	Cents.
Other cattle		320		\$35,000		50	3
Hams and shoulders		66		36,000		100	4
Bacon, side meat		270		54,000		100	4
Canned meats, various		6		2,700		100	4
Butter		6		1,375		100	4
Cheese, other		6		2,450		100	4
Salt fish		18		5,225		100	4
Canned fish		6		2,350		100	4
Lard and substitutes		80		28,500		100	4
Cattle hides		39		3,050		100	3
Vegetable food products, except wool and hair			4,913		493,575		
Corn, grain		580		15,000		100	3.5
Corn meal		164		16,500		100	4
Grits and hominy		42		4,500		100	4
Oats, grain		730		22,000		100	3.5
Rice, grain		26		3,100		100	3.5
Wheat, grain		720		57,500		100	3.5
Wheat flour		223		31,225		100	4
Bread, biscuits, etc		2		450		100	4
Hay, baled		232		7,000		100	3.5
Bran and middlings		33		1,650		100	4
Prepared foods		24		1,700		100	3.5
Cowpeas and fodder beans		159		14,900		100	3.5
Potatoes		161		15,100		100	4
Onions		12		1,500		100	5
Other fresh vegetables		8		1,100		100	5
Canned vegetables		12		1,500		100	4
Subtropical fruits		326		32,600		100	5
Dried and evaporated fruits		2		600		100	4
Canned fruits, various		3		850		100	4
Cotton seed		727		31,000		100	4
Coffee, roasted		42		16,500		100	4
Sugar		123		50,000		100	6
Molasses and sirup		562		168,600		100	4
Other vegetable products, except fibers and wood			858		105,450		
Rosin		852		93,700		50	5
Tobacco, manufactured		6		11,750		100	5
Textiles: Cotton, short staple		482	482	241,000	241,000	100	3
Wood and paper			1,866		63,025		
Boards, etc., southern yellow pine	1,840			58,875		160	3
Roofing felt		26		4,150		160	4
Nonmetallic minerals			717		49,975		
Gasoline, naphtha, etc		448		31,400		160	3
Illuminating oil		204		12,200		160	3
Lubricating oils		65		6,375		160	3
Chemicals			302		18,250		
Baking powder		21		6,300		160	5
Borax		2		250		160	5
Bicarbonate soda		7		700		160	5
Prepared fertilizers		272		11,000		100	3
Unclassified: Miscellaneous		832	832	332,800	332,800	100	4
Total	1,840	8,943	10,783		1,474,725		
Total shipments up-stream and down-stream	3,271	21,425	24,696		3,023,025		

HARBOR AT APALACHICOLA BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1897.....	75,741	\$830,146	(1)	1911.....	(1)	1,158,882	(1)
1898.....	84,000	1,250,000	(1)	1912.....	38,735	2,331,084	(1)
1900.....	(1)	324,034	(1)	1913.....	42,900	2,027,901	(1)
1901.....	71,000	791,569	(1)	1914.....	29,775	1,749,822	(1)
1902.....	55,850	754,575	(1)	1915.....	22,947	1,462,948	(1)
1903.....	(1)	520,442	(1)	1916.....	26,274	1,906,451	(1)
1906.....	44,000	1,200,000	(1)	1917.....	25,562	2,161,306	6,922
1907.....	76,000	1,240,000	(1)	1918.....	34,129	1,977,991	7,191
1908.....	(1)	900,000	(1)	1919.....	28,112	1,760,943	7,666
1909.....	(1)	712,538	(1)	1920.....	17,406	1,764,915	12,323
1910.....	(1)	837,000	(1)				

¹ No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.....			2,035		\$222,080	Miles.	
Meat products.....		2		\$900		30	\$0.035
Milk and cream.....		2		800		30	.035
Butter and cheese.....		2		1,600		30	.035
Fish.....	321			57,780		30	Cargo.
Oysters, in shell.....	1,089			135,800		16	Cargo.
Shrimp.....	617			123,400		16	Cargo.
Hides and skins.....		1		300		30	.035
Leather (sole).....		1		1,600		30	.035
Vegetable food products, oil-seeds, expressed oils, and beverages.....			1,024		127,165		
Corn meal, grits, and hominy.....		45		4,500		30	.025
All other grains.....	427			34,160		30	.025
Hay.....	9			270		30	.025
Bran and middlings.....	248			12,400		30	.025
Beans, dried.....	2			360		30	.025
Potatoes, white.....	17			2,040		30	.025
Onions.....	88			10,780		30	.025
Vegetables, canned.....	20			6,000		30	.025
Fruit.....	58			5,800		30	.045
Coffee.....	17			7,800		30	.025
Sugar.....	78			40,520		30	.025
Sirup.....	15			2,555		30	.025
Other vegetable products, except fibers and wood.....			2,937		405,280		
Resin.....		2,144		150,080		15	Cargo.
Turpentine (spirits).....		780		234,000		15	Cargo.
Tobacco, manufactured.....		7		14,000		30	.045
Tobacco, unmanufactured.....		6		7,200		30	.045
Textiles.....			16		10,300		
Cotton, unmanufactured.....		1		30		30	.025
Cotton cloth.....		1		1,200		30	.035
Burlaps and bagging.....		6		2,400		30	.035
Manila rope and cordage.....		8		6,400		30	.035
Nonmetallic minerals.....			815		59,747		
Kerosene oil.....	140			4,612		30	Cargo.
Gasoline.....	455			32,460		30	Cargo.
Lubricating oils.....		141		20,305		30	.025
Cement.....		79		2,370		30	.025
Ores, metals and manufactures of, except machinery and vehicles.....			202		30,570		
Wire.....		2		270		30	.035
Iron and steel bars, etc.....		192		28,700		30	.025
All other metals.....		8		1,600		30	.025

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—CON.							
Chemicals.....			44		\$7,690	Miles.	
Fertilizer materials.....		22		\$1,540		30	0.025
Ammunition (shells).....		2		2,000		30	.035
Soap, laundry, etc.....		20		4,150		30	.035
Unclassified.....			2,146		239,000		
Miscellaneous articles.....		2,085		213,400		30	.035
Household furniture.....		61		25,600		30	.045
Total.....	2,622	6,597	9,219		1,101,832		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.....			268		32,890		
Live animals.....	6			2,000		30	.065
Fish.....	4			800		30	.045
Oysters in shell.....	161			6,440		30	.045
Oysters, shucked.....		7		2,800		30	.065
Shrimp.....		81		18,150		30	.066
Hides and skins.....		9		2,700		30	.035
Vegetable food products, oilseeds, expressed oils, and beverages.....			343		28,693		
Corn meal, grits, and hominy.....		2		213		30	.025
All other grains.....		334		26,720		30	.025
Bran and middlings.....		4		200		30	.025
Sugar.....		3		1,560		30	.025
Other vegetable products, except fibers and wood.....			3,861		464,620		
Resin.....		3,016		211,120		30	.025
Turpentine.....		845		253,500		30	.035
Wood and paper: Lumber.....							
Southern yellow pine.....	3,420		3,420	68,400	68,400	30	Cargo.
Unclassified.....			295		68,480		
Miscellaneous articles.....		274		51,680		30	.035
Household furniture.....		21		16,800		30	.045
Total.....	3,591	4,596	8,187		663,083		
Total receipts and shipments.....	6,213	11,193	17,406		1,764,915		

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	2,035	\$222,080	268	\$32,890	2,303	\$254,970
Vegetable food products, oilseeds, expressed oils, and beverages.....	1,024	127,165	343	28,693	1,367	155,858
Other vegetable products, except fibers and wood.....	2,937	405,280	3,861	464,620	6,798	869,900
Textiles.....	16	10,300			16	10,300
Wood and paper.....			3,420	68,400	3,420	68,400
Nonmetallic minerals.....	815	59,747			815	59,747
Ores, metals and manufactures of, except machinery and vehicles.....	202	30,570			202	30,570
Chemicals.....	44	7,690			44	7,690
Unclassified.....	2,146	239,000	295	68,480	2,441	307,480
Total.....	9,219	1,101,832	8,187	663,083	17,406	1,764,915

Vessel classification.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers.....	3	459	12,323
Gasoline launches.....	151	897	
Tugs.....	4	231	
Barges.....	12	1,200	
Total.....	170	2,787	12,323

All above vessels engaged in coastwise traffic and use of harbor.

APALACHICOLA RIVER, CUT-OFF, LEE SLOUGH, AND LOWER CHIPOLA RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	143,503	\$13,215,737		1917.....	88,424	\$7,056,565	8,131
1913.....	153,732	13,498,409		1918.....	83,105	6,287,426	7,549
1914.....	122,097	12,954,540		1919.....	85,079	6,524,640	8,145
1915.....	94,418	7,802,525		1920.....	63,510	4,110,450	7,051
1916.....	89,580	6,940,311	7,096				

Freight traffic, 1920.

[Navigation season: Entire year.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Pack- age.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM.							
Animals and animal products, except wool and hair.			305		\$112,700	Miles.	
Other cattle.		35		\$3,625		40	\$7.04
Hams and shoulders.		36		19,450		65	.035
Bacon, side meat.		162		63,225		65	.035
Canned meats.		8		3,175		65	.035
Milk and cream, condensed.		7		4,025		65	.035
Butter.		3		2,150		65	.035
Salt fish, various.		1		1,175		65	.035
Canned fish, various.		3		1,225		65	.035
Lard and substitutes.		28		9,775		65	.035
Cattle and horsehides.		17		3,300		65	.035
Leather manufactures.		2		1,575		65	.035
Vegetable food products, oil seeds, expressed oils, and beverages.			2,224		210,350		
Corn, grain.		356		12,450		65	.05
Corn meal.		91		10,775		65	.035
Grits and hominy.		11		1,425		65	.035
Oats, grain.		404		11,025		65	.05
Oatmeal.		1		175		65	.035
Rice, grain.		9		1,100		65	.05
Wheat, grain.		527		41,325		65	.05
Wheat, flour.		102		14,850		85	.03
Bread, biscuits, etc.		3		650		65	.05
Hay, baled.		232		6,475		65	.05
Bran and middlings.		46		2,225		65	.03
Prepared feeds.		28		1,925		65	.05

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—continued.							
Vegetable food products, oil seeds, expressed oils, and beverages—Contd.						Miles.	
Cowpeas, etc.		8		\$625		60	\$0.035
Potatoes.		18		2,025		65	.04
Onions.		2		250		65	.04
Other fresh vegetables.		4		475		65	.04
Canned vegetables.		5		725		65	.035
Subtropical fruits.		64		3,875		65	.04
Dried evaporated fruits.		4		1,175		65	.035
Canned fruits.		3		1,025		65	.035
Coffee.		39		15,500		65	.035
Sugar.		138		42,225		65	.03
Molasses and sirup.		123		35,875		50	.035
Confectionery.		2		2,175		65	.035
Other vegetable products, except fibers and wood.			2,023		\$373,675		
Rosin.		1,186		124,425		65	.025
Wood turpentine.		837		249,250		65	.025
Textiles.			13		9,050		
Manufactured cotton.		5		3,825		65	.035
Other vegetable fibers manufactured.		3		1,350		65	.035
Wool.		5		3,875		60	.03
Wood and paper.			28,215		319,625		
Logs, Southern yellow pine, rafted.	13,416			138,250			Rafted.
Other soft woods, rafted.	12,054			138,575			Rafted.
Railroad ties.	2,100			17,925		65	.03
Boards, Southern yellow pine.	625			19,750		65	.05
Shingles.		15		3,175		65	.03
Wood manufactures.		5		1,950		65	.035
Nonmetallic minerals.			818		27,125		
Cement, Portland.		178		5,375		65	.03
Bricks, building.	275			3,975		55	.03
Gasoline, naphtha, etc.		160		11,225		65	.05
Illuminating oil.		48		2,875		65	.05
Lubricating oil.		6		725		65	.05
Salt.		151		2,950		65	.04
Ores, metals and manufactures of, except machinery and vehicles.			37		9,800		
Plain wire.		2		275		65	.05
Galvanized wire.		4		725		65	.055
Barbed wire.		6		1,025		65	.05
Woven wire fencing.		14		2,875		65	.05
Cutlery.		1		2,225		65	.05
Hollow ware.		2		775		65	.05
Wire nails.		4		575		65	.05
Stoves and furnaces.		2		625		65	.05
Tools, various.		1		475		65	.05
Hardware, n. e. s.		1		225		65	.05
Machinery and vehicles.			45		21,875		
Sawmill machinery.		3		1,425		45	.08
Implements of cultivation.		21		6,250		55	.05
Harvesting machinery.		11		3,575		55	.05
Automobiles, passenger.		6		9,375		65	.05
Wagons, etc.		4		1,250		65	.05
Chemicals.			3,360		147,450		
Baking powder.		4		1,175		65	.04
Sodas and sodium compounds.		5		425		65	.04
Medicinal and pharmaceutical preparations.		1		2,625		65	.05
Paint, stain, etc.		11		7,625		65	.035
Prepared fertilizer.		3,825		132,250		65	.04
Soap, laundry, etc.		12		2,375		65	.035
Other chemical products.		2		975		65	.04
Unclassified miscellaneous.		3,387	3,387		541,925	65	
Total.	28,470	11,957	40,427		1,773,575		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM.							
Animals and animal products, except wool and hair.....			321		\$89,600	Miles.	
Other cattle.....		155		\$23,225		45	\$0.04
Hams and shoulders.....		23		12,650		65	.035
Bacon, side meat.....		87		34,800		65	.035
Canned meats.....		3		1,175		65	.035
Salt fish.....		17		5,125		65	.035
Canned fish.....		2		775		65	.035
Lard and substitutes.....		34		11,850		65	.035
Vegetable food products, oil seeds, expressed oils, and beverages.....			1,906		187,500		
Corn, grain.....		334		9,775		65	.05
Corn meal.....		52		5,325		65	.035
Hominy and grits.....		4		425		65	.035
Oats, grain.....		240		7,025		65	.05
Oatmeal.....		1		175		65	.035
Rice, grain.....		6		725		65	.05
Wheat, grain.....		420		33,525		65	.05
Wheat, flour.....		62		8,650		65	.03
Bread, biscuits, etc.....		2		425		65	.035
Macaroni, cereals, etc.....		121		200		65	.035
Hay, baled.....		126		3,750		65	.03
Bran and middlings.....		33		1,625		65	.03
Prepared feeds.....		8		550		65	.03
Potatoes.....		12		1,375		65	.04
Other fresh vegetables.....		3		400		65	.04
Subtropical fruits.....		251		17,375		70	.03
Dried (evaporated) fruits.....		3		875		65	.035
Canned fruits.....		5		1,575		65	.035
Preserved fruits, etc.....		1		400		65	.035
Cotton seed.....		38		1,825		65	.04
Sugar.....		68		20,500		80	.03
Coffee.....		19		7,500		65	.035
Molasses and sirup.....		217		63,500		80	.03
Other vegetable products except fibers and wood.....			9,283		1,350,600		
Rosin.....		7,429		816,650		70	.025
Wood turpentine.....		1,578		512,100		70	.025
Tar and pitch.....		276		21,850		80	.025
Textiles.....			71		34,950		
Cotton, short staple.....		48		23,375		50	.03
Wool.....		23		11,575		65	.04
Wood and paper.....			7,207		121,075		
Railroad ties.....	3,682			32,675		50	.04
Boards: Southern yellow pine.....	2,022			42,775		65	.05
Shingles.....		128		27,725		85	.04
Veneer blocks.....	1,377			17,900		20	.07
Nonmetallic minerals.....			782		32,800		
Cement, Portland.....		68		1,350		60	.03
Brick, building.....	189			2,200		55	.03
Gasoline, naphtha, etc.....		276		19,275		65	.03
Illuminating oil.....		79		4,650		65	.03
Lubricating oil.....		19		2,375		65	.03
Salt.....		151		2,960		65	.04
Ores, metals and manufactures of, except machinery and vehicles.....			119		16,600		
Steel bars and rods.....	87			11,875		85	.05
Wire nails.....		32		4,725		85	.05
Chemicals.....			116		5,100		
Baking powder.....		2		575		65	.04
Soda and sodium compound.....		2		175		65	.04
Prepared fertilizer.....		112		4,350		25	.04
Unclassified: Miscellaneous.....		3,276	3,276	498,650	498,650	70	.04
Total.....	7,357	15,726	23,083		2,336,875		
Total shipments.....	35,827	27,683	63,510		4,110,450		

Freight traffic, 1920—Continued.

SUMMARY.

Class.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, etc.....	305	\$112,700	321	\$89,600	626	\$202,300
Vegetable food products, etc.....	2,224	210,350	1,906	187,500	4,130	397,850
Other vegetable products, etc.....	2,023	373,675	9,283	1,350,600	11,306	1,724,275
Textiles.....	13	9,050	71	34,950	84	44,000
Wood and paper.....	28,215	319,625	7,209	121,075	35,424	440,700
Nonmetallic minerals.....	818	27,125	782	32,800	1,600	59,925
Ores, metals, etc.....	37	9,800	119	16,600	156	26,400
Machinery and vehicles.....	45	21,875	.....	.....	45	21,875
Chemicals.....	3,360	147,450	116	5,100	3,476	152,550
Unclassified.....	3,387	541,925	3,276	498,650	6,663	1,040,575
Total.....	40,427	1,773,575	23,083	2,336,875	63,510	4,110,450

Vessel classification.

Class.	Number.	Net registered tonnage.
Registered:		
Steamers.....	3	511
Gasoline launches.....	5	64
Tugs.....	3	67
Unregistered:		
Barges.....	4	400
Rafts.....	322	.....

UPPER CHIPOLA RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1898.....	490	\$20,612	.....	1912.....	6,289	\$318,168	.....
1899.....	24,236	510,707	.....	1913.....	10,006	319,792	.....
1900.....	9,476	314,000	.....	1914.....	7,337	352,205	.....
1901.....	7,324	402,820	.....	1915.....	10,419	428,695	.....
1902.....	10,716	637,000	.....	1916.....	7,521	450,595	419
1903.....	5,110	510,000	.....	1917.....	8,026	567,727	360
1904.....	(1)	408,500	.....	1918.....	8,243	569,256	337
1905.....	1,758	88,000	.....	1919.....	12,230	1,003,069	302
1907.....	.....	\$100,000	.....	1920.....	12,079	938,575	289
1908.....	.....	\$100,000	.....			

* No statistics available.

* Fiscal year.

Freight traffic, 1920.

[Navigation season: Entire year.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM.							
Animals and animal products, except wool and hair.....			30		\$11,950	Miles.	
Hams and shoulders.....		5		\$2,625		45	\$0.04
Bacon, side meat.....		17		6,575		45	.04
Lard and substitutes.....		8		2,750		45	.04
Vegetable food products, oil-seeds, expressed oils, and beverages.....			140		37,075		
Meal.....		13		1,275		45	.04
Wheat flour.....		22		3,075		45	.04
Cotton seed.....		13		5,125		45	.03
Sirup.....		92		27,600			
Other vegetable products, except fibers and wood.....			2,486		386,400		
Rosin.....		1,624		178,650		45	.04
Wood turpentine.....		862		207,750		45	.04
Wood and paper.....			5,563		72,350		
Logs, yellow-pine, rafted.....	4,060			51,450		30	Rafted.
Other softwoods, rafted.....	1,316			17,875		30	Rafted.
Boards, yellow-pine.....	187			3,025		40	.03
Unclassified: Miscellaneous.....		109	109	27,250	27,250	45	.03
Total.....	5,563	2,765	8,328		535,025		
SHIPMENTS, UPSTREAM.							
Animals and animal products, except wool and hair.....			92		36,800		
Hams and shoulders.....		11		5,975		40	.04
Bacon, side meat.....		58		22,850		40	.04
Lard and substitutes.....		23		7,975		40	.04
Vegetable food products, oil-seeds, expressed oils, and beverages.....			831		46,525		
Corn, grain.....		132		4,625		40	.04
Corn meal.....		24		2,375		40	.04
Grits and hominy.....		3		2,425		40	.04
Oats, grain.....		242		7,150		40	.04
Rice, grain.....		3		325		40	.04
Wheat, grain.....		116		9,375		40	.04
Wheat, flour.....		37		5,200		40	.04
Bread, biscuits, etc.....		2		475		40	.04
Hay, baled.....		201		5,425		40	.03
Bran and middlings.....		38		1,750		40	.03
Prepared feeds.....		14		875		40	.03
Dried and evaporated fruits.....		1		325		45	.04
Canned fruits.....		1		350		45	.04
Coffee, roasted.....		9		3,375		45	.04
Sugar.....		8		2,475		45	.04
Wood and paper.....			1,065		12,525		
Boards, yellow-pine.....	188			5,225		35	.04
Shingles.....		9		350		35	.04
Railroad ties.....	868			6,950		35	.04
Nonmetallic minerals.....			296		7,400		
Portland cement.....		126		3,750		40	.04
Building brick.....	81			825		40	.04
Gasoline, naphtha, etc.....		14		1,225		40	.04
Illuminating oil.....		3		175		40	.04
Lubricating oil.....		1		150		40	.04
Salt.....		67		1,275		40	.04
Ores, metals, and manufactures of, except machinery and vehicles.....			52		8,550		
Plain wire.....		2		225		35	.04
Galvanized wire.....		5		825		35	.04
Barbed wire.....		11		1,875		35	.04
Woven wire fencing.....		26		4,100		35	.04
Wire nails.....		6		775		35	.04
Stoves and furnaces.....		1		275		40	.04
Tools, various.....		1		475		40	.04

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
SHIPMENTS, UPSTREAM— continued.						Miles.	
Chemicals.....			94	\$6,475			
Baking powder.....		1		\$300		40	\$0.04
Sodas and soda com- pounds.....		3		425		40	.04
Paints, stains, etc.....		3		1,775		40	.04
Prepared fertilizer.....		83		3,150		40	.04
Soap, laundry.....		4		825		40	.04
Unclassified: Miscellaneous.	1,137	1,321	1,321	285,275	285,275	40	.04
Total.....	1,137	2,614	3,751	403,550			
Total shipments.....	6,700	5,379	12,079	938,575			

SUMMARY.

Class.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	30	\$11,950	92	\$36,800	122	\$48,750
Vegetable food products.....	140	37,075	831	46,525	971	83,600
Other vegetable products.....	2,486	386,400			2,486	386,400
Wood and paper.....	5,563	72,350	1,065	12,525	6,628	84,875
Nonmetallic minerals.....			296	7,400	296	7,400
Ores, metals, etc.....			52	8,550	52	8,550
Chemicals.....			94	6,475	94	6,475
Unclassified.....	109	27,250	1,321	285,275	1,430	312,525
Total.....	8,328	535,025	3,751	403,550	12,079	938,575

Vessel classification.

Class.	Number.	Net registered tonnage.
Registered:		
Steamers.....	1	93
Barges.....	1	100
Rafts.....	11	

FLINT RIVER, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896.....	3,024	\$195,000		1909.....	29,809	\$2,692,565	
1897.....	4,818	240,000		1910.....	30,243	2,794,776	
1898.....	11,235	808,800		1911.....	10,448	785,159	
1899.....	18,055	982,025		1912.....	26,683	1,599,335	3,930
1900.....	29,964	1,500,000		1913.....	33,594	2,176,541	4,666
1901.....	17,312	865,000		1914.....	37,537	2,351,113	3,850
1902.....	34,549	1,727,000		1915.....	23,603	1,696,848	3,660
1903.....	26,316	1,315,800		1916.....	26,607	2,069,386	3,256
1904.....	30,792	1,539,000		1917.....	29,563	1,810,958	2,430
1905.....	16,711	740,106		1918.....	23,868	1,702,268	2,104
1906.....	8,245	830,000		1919.....	22,246	2,030,613	1,945
1907.....	13,145	1,182,885		1920.....	17,339	2,038,775	2,028
1908.....	2,800	100,000					

[Navigation season: Entire year.]

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM.							
Animals and animal products, except wool and hair.			85		\$38,850	Miles.	
Hams and shoulders, cured.		6		\$3,250		30	\$0.03
Bacon, side meat.		38		15,000		30	.03
Canned meats, various.		8		3,225		30	.03
Milk and cream, condensed.		3		800		30	.03
Cheese, other.		2		800		30	.03
Salt and pickled fish.		2		625		30	.03
Canned fish.		4		1,550		30	.03
Lard and substitutes.		19		7,500		30	.03
Leather footwear.		2		4,225		30	.03
Other leather manufactures.		1		1,875		30	.03
Vegetable food products, oil seeds, expressed oils, and beverages.			1,369		99,150		
Corn, grain.		212		5,300		25	.02
Corn meal.		82		8,250		30	.03
Oats, grain.		93		2,800		25	.02
Oatmeal, rolled oats.		2		325		30	.03
Rice, grain.		21		2,500		25	.02
Wheat, grain.		308		24,650		25	.02
Wheat flour.		105		14,700		30	.03
Hay, baled.		330		10,000		30	.03
Straw.		55		1,175		30	.03
Cottonseed meal, etc.		10		900		30	.03
Brn and middlings.		22		1,100		30	.03
Prepared feeds.		22		1,550		30	.03
Cowpeas, etc.		8		700		30	.03
Potatoes.		16		1,000		30	.03
Onions.		2		175		30	.03
Vegetables, canned.		2		400		30	.03
Pickles, vinegar, etc.		1		625		30	.03
Fruits, all kinds.		1		175		30	.03
Fruits, dried, etc.		2		550		30	.03
Fruits, canned.		2		600		30	.03
Preserved fruits, jellies, jams, etc.		1		600		30	.03
Coffee, roasted.		2		775		30	.03
Sugar.		3		1,050		30	.03
Molasses and sirup.		63		18,475		30	.03
Beverages, bottled.		4		175		30	.03
Other vegetable products, except fibers and wood.			2,268		167,500		
Rosin.		687		75,375		15	.04
Wood turpentine.		1,375		83,825		25	.03
Seeds for sowing.		1		175		25	.03
Tobacco manufactures.		4		7,575		30	.03
Miscellaneous.		1		350		30	.03
Textiles.			31		31,100		
Cotton, short staple.	10			5,000		30	.03
Cotton manufactures.		5		9,375		30	.03
Cordage, except jute.		8		3,750		30	.03
Other vegetable fibers.		3		1,750		30	.03
Wool manufactures.		5		11,225		30	.03
Wood and paper.			979		15,225		
Logs—							
Yellow pine, rafted.	170			2,725		15	Raft.
Other soft woods, rafted.	250			3,000		15	Raft.
Boards, etc., yellow pine.	550			6,325		30	.03
Wood manufactures.		6		2,000		30	.03
Paper, except printed matter, various.		3		1,175		30	.03
Group No. 5: Nonmetallic minerals.			895		32,875		
Gasoline, naphtha, etc.		260		17,000		30	.03
Portland cement.		350		10,500		30	.02
Glass and glass products, various.		2		550		30	.03
Building bricks.	260			4,000		30	.02
Salt.		72		495		30	.02

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—continued.							
Ores, metals, and manufactures of, except machinery and vehicles.			59	\$10,400		Miles.	
Steel and iron bars.	18			\$1,800		30	\$0.03
Wrought pipe.	8			1,200		30	.03
Wire and fencing.	22			3,975		30	.03
Castings, various.	4			500		30	.03
Hollow ware.		1		400		30	.03
Stoves and furnaces.		1		250		30	.03
Tools, various.		2		650		30	.03
Hard ware, various.		3		1,625		30	.03
Machinery and vehicles.			17	12,750			
Implements of cultivation.		4		2,250		30	.03
Automobiles, passenger.	5			7,500		30	.03
Carriages, wagons, etc.	8			3,000		30	.03
Chemicals.			864	42,450			
Baking powder.		2		600		30	.03
Sodas and sodium compounds.		3		275		30	.03
Washing powders, etc.		1		400		30	.03
Medicinal and pharmaceutical preparations.		1		3,000		30	.03
Paints and stains.		2		1,150		30	.03
Prepared fertilizers.		850		32,800		25	.02
Dynamite.		1		800		30	.05
Loaded cartridges.		2		3,000		30	.05
Miscellaneous chemical products.		2		425		30	.03
Unclassified: Miscellaneous.		2,240	2,240	765,000		30	.03
Total.	1,301	7,506	8,807	1,215,300			
SHIPMENTS, UPSTREAM.							
Animals and animal products, except wool and hair.			57	25,325			
Hams and shoulders, cured.		8		4,400		30	.03
Bacon, side meat.	22			8,800		30	.03
Eggs in shell.	2			750		30	.03
Canned meats, various.	3			1,175		30	.03
Milk and cream, condensed.	2			625		30	.03
Butter.	1			625		30	.03
Cheese.	1			425		30	.03
Canned fish, various.	4			1,400		30	.03
Lard and substitutes.	13			5,150		30	.03
Leather manufactures.	1			1,975		30	.03
Vegetable food products, oil seeds, expressed oils and beverages.			1,740	166,275			
Corn, grain.	319			7,975		30	.02
Cornmeal.	12			1,200		30	.03
Hominy and grits.	2			225		30	.03
Oats, grain.	137			4,000		30	.02
Rice, grain.	3			350		30	.02
Wheat.	242			19,350		30	.02
Wheat flour.	61			8,550		30	.03
Other wheat products.	3			600		30	.03
Hay, baled.	322			9,700		30	.03
Straw.	5			100		30	.03
Prepared feeds.	113			7,900		30	.03
Potatoes.	24			2,400		30	.03
Onions.	1			100		30	.03
Other fresh vegetables.	2			175		30	.03
Canned vegetables.	3			375		30	.03
Fruit, subtropical, fresh.	150			1,500		30	.03
Coffee, roasted.	3			1,250		30	.03
Sugar.	118			35,400		25	.03
Molasses and sirup.	216			64,950		30	.03
Bottled beverages.	4			225		30	.03

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM—continued.							
Other vegetable products, except fibers and wood.....			4,829		\$346,500.	Miles.	
Rosin.....		4,825		\$342,250		30	\$0.03
Seeds for sowing.....		2		425		30	.03
Tobacco manufactures.....		2		3,825		30	.03
Textiles.....			6		7,275		
Cotton manufactures, various.....		3		2,875		30	.03
Wool manufactures, various.....		2		3,125		30	.03
Miscellaneous textile products.....		1		1,275		30	.03
Wood and paper.....			380		22,225		
Telegraph poles.....	150			9,000		30	.03
Boards, etc., yellow pine.....	140			4,100		30	.03
Shingles.....		75		5,000		30	.03
Manufactures of wood.....		8		2,250		30	.03
Paper, various.....		7		1,875		30	.03
Nonmetallic minerals: Gasoline, naphtha, etc.....		235	235	16,450	16,450	30	.03
Ores, metals, and manufactures, except machinery and vehicles.....			36		5,875		
Railway track material.....		14		1,975		30	.03
Wire manufactures, various.....	9			1,500		30	.03
Castings and forgings.....	7			1,125		30	.03
Other manufactures, various.....		6		1,275		30	.03
Chemicals.....			374		20,425		
Chemicals, except coal tar, various.....		5		1,200		30	.03
Paints, stains, etc.....		7		3,725		30	.03
Prepared fertilizers.....		350		13,725		30	.02
Soap, laundry.....		12		1,675		30	.03
Unclassified: Miscellaneous.....		875	875	213,125	213,125	30	.03
Total.....	306	8,226	8,532		823,475		
Total shipments.....	1,607	15,732	17,339		2,038,775		

SUMMARY.

Classes.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	85	\$38,850	57	\$25,325	142	\$64,175
Vegetable food products, oil seeds, expressed oils, and beverages.....	1,369	99,150	1,740	166,275	3,109	265,425
Other vegetable products, except fibers and wood.....	2,268	167,500	4,829	346,500	7,097	514,000
Textiles.....	31	31,100	6	72,750	37	38,375
Wood and paper.....	979	15,225	380	22,225	1,359	37,450
Nonmetallic minerals.....	895	32,875	235	16,450	1,130	49,325
Ores, metals and manufactures of, except machinery and vehicles.....	59	10,400	36	5,875	95	16,275
Machinery and vehicles.....	17	12,750			17	12,750
Chemicals.....	864	42,450	374	20,425	1,238	62,875
Unclassified.....	2,240	765,000	875	213,125	3,115	978,125
Total.....	8,807	1,215,300	8,532	823,475	17,339	2,038,775

Vessel classification.

Classes.	Number.	Net registered tonnage.
Registered steamers.....	3	395
Unregistered:		
Barges.....	1	100
Rafts.....	12	

CHATTAHOOCHEE RIVER, GA. AND ALA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	100,122	\$11,742,547	9,049	1917.....	46,928	\$5,320,592	6,714
1913.....	107,238	11,951,481	8,788	1918.....	47,004	5,511,113	6,832
1914.....	93,442	10,103,756	9,708	1919.....	50,558	4,874,553	4,350
1915.....	70,105	7,989,126	5,227	1920.....	24,696	3,023,025	3,447
1916.....	52,473	5,527,989	5,121				

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton mile.
	Bulk.	Package.		By commodities.	Classes.		
SHIPMENTS, DOWNSTREAM.							
Animals and animal products, except wool and hair.....			114		\$35,350	Miles.	Cents.
Other cattle.....		44		\$4,950		50	3
Ham and shoulders, cured.....		14		7,000		100	4
Bacon, side meat.....		32		13,000		100	4
Canned meats, various.....		4		1,950		100	4
Milk and cream, condensed.....		2		550		100	4
Butter.....		2		1,400		100	4
Salt fish.....		2		600		100	4
Canned fish, various.....		4		1,650		100	4
Lard and substitutes.....		6		2,050		100	4
Hides, cattle.....		2		150		100	3
Leather manufactures.....		2		1,550		100	4
Vegetable food products, oil seeds, expressed oils, and beverages.....			2,977		396,825		
Corn, grain.....		480		12,125		110	3.5
Corn meal.....		50		5,625		110	4
Grits and hominy.....		15		1,625		110	4
Oats, grain.....		185		5,625		110	3.5
Rice, grain.....		40		5,000		110	3.5
Wheat, grain.....		540		45,000		110	3.5
Wheat flour.....		320		46,000		110	4
Bread, biscuits, etc.....		10		2,250		110	4
Hay, baled.....		105		3,250		110	3.5
Brn and middlings.....		55		2,750		110	4
Prepared feeds.....		20		1,500		110	3.5
Cowpeas and fodder beans.....		35		3,000		110	3.5
Potatoes.....		45		5,000		110	4
Other fresh vegetables.....		10		1,250		110	5
Subtropical fruits.....		42		3,875		110	5
Dried and evaporated fruits.....		3		875		110	4
Canned fruits, various.....		2		575		110	4

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—continued.							
Vegetable food products, oil seeds, expressed oils, and beverages—Continued.						Miles.	Cents.
Cotton seed		260		\$11,500		55	4
Coffee, roasted		30		12,500		110	4
Sugar		420		125,000		110	6
Molasses and sirup		310		92,500		110	4
Other vegetable products, except fibers and wood			3,326		\$190,600		
Rosin		2,670		293,700		50	5
Wood turpentine		656		196,900		50	5
Textiles			180		99,275		
Cotton, short staple		140		70,000		85	3
Cotton manufactures		15		10,800		110	4
Other vegetable fibers		22		12,750		110	4
Wool manufactures		3		5,725		110	4
Wood and paper			1,295		28,300		
Logs:							
Southern yellow pine	587			9,400		40	Raft.
Other soft wood	212			2,550		40	Raft.
Boards, etc., southern yellow pine	452			13,600		80	3
Shingles		44		2,750		50	3
Nonmetallic minerals			696		20,850		
Cement, Portland		220		6,750		50	6
Bricks, building	180			2,750		50	5
Gasoline, naphtha, etc.		52		3,300		110	3
Illuminating oil		22		1,300		110	3
Lubricating oils		6		550		110	3
Glass and glass products		3		875		110	5
Salt		213		5,325		110	3
Ore, metals, and manufactures of, except machinery and vehicles			155		30,775		
Plain wire	30			4,500		140	3
Galvanized wire	10			2,000		140	3
Barbed wire	50			9,000		140	3
Woven wire fencing	30			5,500		140	3
Cutlery, various	1			2,500		110	5
Hollow ware, various	3			1,150		110	5
Wire nails	25			3,750		110	4
Stoves and furnaces	2			500		110	4
Tools, various	4			1,875		110	5
Machinery and vehicles			62		30,875		
Implements of cultivation, various	31			9,500		140	5
Harvesting machinery	21			6,525		140	5
Automobiles, passenger	8			14,275		85	5
Wagons, drays, etc.	2			575		110	5
Chemicals			4,506		193,750		
Baking powder	3			875		110	5
Sodas and sodium compounds	4			500		110	5
Medicinal and pharmaceutical preparations	2			6,225		110	6
Pigments, paints, etc.	6			3,500		110	5
Prepared fertilizer	4,460			177,250		110	3
Cartridges, loaded	3			4,650		110	5
Soap, laundry	28			5,750		110	5
Unclassified: Miscellaneous	602		602	231,700	231,700	110	4
Total	1,431	12,482	13,913		1,548,300		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM.							
Animals and animal products, except wool and hair			813		\$170, 650	Miles.	Cents.
Other cattle		320		\$35, 000		50	3
Hams and shoulders		66		36, 000		100	4
Bacon, side meat		270		54, 000		100	4
Canned meats, various		6		2, 700		100	4
Butter		2		1, 375		100	4
Cheese, other		6		2, 450		100	4
Salt fish		18		5, 225		100	4
Canned fish		6		2, 350		100	4
Lard and substitutes		80		28, 500		100	4
Cattle hides		39		3, 050		100	3
Vegetable food products, except wool and hair			4, 913		493, 575		
Corn, grain		580		15, 000		100	3.5
Corn meal		164		16, 500		100	4
Grits and hominy		42		4, 500		100	4
Oats, grain		730		22, 000		100	3.5
Rice, grain		26		3, 100		100	3.5
Wheat, grain		720		57, 500		100	3.5
Wheat flour		223		31, 225		100	4
Bread, biscuits, etc.		2		450		100	4
Hay, baled		232		7, 000		100	3.5
Bran and middlings		33		1, 650		100	4
Prepared foods		24		1, 700		100	3.5
Cowpeas and fodder beans		159		14, 900		100	3.5
Potatoes		161		15, 100		100	4
Onions		12		1, 500		100	5
Other fresh vegetables		8		1, 100		100	5
Canned vegetables		12		1, 500		100	4
Subtropical fruits		326		32, 600		100	5
Dried and evaporated fruits		2		600		100	4
Canned fruits, various		3		850		100	4
Cotton seed		727		31, 000		100	4
Coffee, roasted		42		16, 500		100	4
Sugar		123		50, 000		100	6
Molasses and sirup		562		168, 600		100	4
Other vegetable products, except fibers and wood			858		105, 450		
Rosin		852		99, 700		50	5
Tobacco, manufactured		6		11, 750		100	5
Textiles: Cotton, short staple		482	482	241, 000	241, 000	100	3
Wood and paper			1, 866		63, 025		
Boards, etc., southern yellow pine	1, 840			58, 875		160	3
Roofing felt		26		4, 150		160	4
Nonmetallic minerals			717		49, 975		
Gasoline, naphtha, etc.		448		31, 400		160	3
Illuminating oil		204		12, 200		160	3
Lubricating oils		65		6, 375		160	3
Chemicals			302		18, 250		
Baking powder		21		6, 300		160	5
Borax		2		250		160	5
Bicarbonate soda		7		700		160	5
Prepared fertilizers		272		11, 000		100	3
Unclassified: Miscellaneous		832	832	332, 800	332, 800	100	4
Total	1, 840	8, 943	10, 783		1, 474, 725		
Total shipments upstream and downstream	3, 271	21, 425	24, 696		3, 023, 025		

Freight traffic, 1920—Continued.

SUMMARY.

Group and class.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, etc.	114	\$35,350	813	\$170,650	927	\$206,000
Vegetable food products, etc.	2,977	396,825	4,913	493,575	7,890	890,400
Other vegetable products, etc.	3,326	490,600	858	105,450	4,184	596,050
Textiles.	180	99,275	482	241,000	662	340,275
Wood and paper.	1,295	28,300	1,866	63,025	3,161	91,325
Nonmetallic minerals.	696	20,850	717	49,975	1,413	70,825
Ores, metals, and manufactures, etc.	155	30,775			155	30,775
Machinery and vehicles.	62	30,875			62	30,875
Chemicals.	4,506	193,750	302	18,250	4,808	212,000
Unclassified.	602	231,700	832	332,800	1,434	564,500
Total.	13,913	1,548,300	10,783	1,474,725	24,696	3,023,025

Vessel classification.

Class.	Number.	Net registered tonnage.
Registered, steamers.	2	256
Unregistered:		
Barges.	2	200
Rafts.	22	

CHANNEL FROM APALACHICOLA RIVER TO ST. ANDREWS BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1915.	775	\$4,588	(1)	1918.	8,612	\$74,996	(1)
1916.	25,811	154,368	(1)	1919.	206	2,063	(1)
1917.	1,142	58,208	(1)	1920.	836	11,232	1,250

¹ No data available.² This figure is estimated. It covers number of persons passing through canal in small motor boats on pleasure and fishing parties during 1920.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.		Average haul, miles.	Rate per ton-mile.
			By commodities.	By classes.		
GOING EAST, COASTWISE.						
Wood and paper: Logs and round timber, cypress.....	400	400	\$6,000	\$6,000	21	(1)
GOING WEST, COASTWISE.						
Wood and paper: Logs and round timber, southern yellow pine.....	436	436	5,232	5,232	18	(1)
Total going east and west.....	.....	836	.....	11,232	.....	.....

¹ Rafted.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Going east.		Going west.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	400	\$6,000	436	\$5,232	836	11,232

Vessel classification.

Class.	Number.	Net registered tonnage.	Passengers.
Tugs.....	1	11	.....
Gasoline launches.....	26	72	1,250
Rafts.....	16	.....	.....
Total.....	43	83	1,250

ENTRANCE TO ST. JOSEPHS BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912.....	48,157	\$555,214	1917.....	7,954	\$83,517
1913.....	52,294	524,768	1918.....	2,761	42,522
1914.....	11,287	102,266	1919.....	1,662	101,966
1915.....	3,438	48,051	1920.....	28,455	605,700
1916.....	10,853	109,073			

[Navigation season. Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper		18,320		\$366,400
Southern yellow pine—				
Timber, squared.....	3,028		\$60,560	
Lumber.....	15,292		305,840	
Total.....		18,320		366,400

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, COASTWISE.							
Animals, and animal prod- ucts, except wool and hair.			10, 135		\$239, 300	Miles.	
Fish ¹	10, 000			\$215, 000		6	(²)
Fish ²	135			24, 300		9	(²)
Total imports.....	10, 135		10, 135		239, 300		

¹ Menhaden fish, from which the oil was extracted, and scrap used for fertilizer.² Red snapper, grouper, and other food fish.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic receipts.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals, and animal products, except hair and wool.....			10, 135	\$239, 300	10, 135	\$239, 300
Wood and paper.....	18, 320	\$366, 400			18, 320	366, 400
Total.....	18, 320	366, 400	10, 135	239, 300	28, 455	605, 700

Vessel classification.

Class.	Number.		Total	Net registered tonnage.
	American.	Foreign.		
Foreign trade:				
Steamers.....		2	2	5, 111
Sailing.....	10	4	14	8, 268
Coastwise trade:				
Barges.....	2		2	1, 250
Tugs.....	1		1	82
Fishing smacks.....	8		8	363
Total.....	21	6	27	15, 074

ST. ANDREWS BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	76, 562	\$1, 011, 508	(¹)	1917.....	75, 511	\$2, 347, 152	841
1913.....	116, 622	1, 837, 351	(¹)	1918.....	53, 023	2, 208, 124	935
1914.....	115, 991	2, 219, 380	(¹)	1919.....	60, 597	2, 692, 760	1, 176
1915.....	130, 479	3, 355, 902	(¹)	1920.....	196, 594	4, 692, 833	1, 063
1916.....	110, 268	2, 561, 204	(¹)				

¹ No statistics available.

The above figures for 1920 freight include intraport traffic; this has not been included in previous years.

[Navigation season, entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper.....		86,279		\$1,725,580
Southern yellow pine:				
Timber, squared.....	5,959		\$119,180	
Lumber.....	80,320		1,606,400	
Total.....		86,279		1,725,580

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.			873		\$235,380	Miles.	
Fish.....	872			\$233,780		11	Cargo.
Leather (sole).....		1		1,600		11	\$0.05
Vegetable food products, oil seeds, expressed oils, and beverages.			1,495		141,190		
Flour, wheat.....		69		9,660		11	.035
All other grains.....		784		62,720		11	.035
Hay.....		431		12,930		11	.035
Beans, dried.....		11		1,980		11	.035
Vegetables, canned.....		2		600		11	.035
Fruit.....		117		11,700		11	.05
Sugar.....		81		41,600		11	.045
Other vegetable products, except fibers and wood:							
Tobacco, manufactured.....		2	2	4,000	4,000		.055
Wood and paper: Barrels and casks, empty.....		10	10	230	230	11	.055
Nonmetallic minerals.....			1,567		101,898		
Coal, bituminous.....	4			44		11	.035
Gasoline.....	977			69,785		11	Cargo.
Kerosene.....	258			8,844		11	Cargo.
Lubricating oil.....	32			3,225		11	Cargo.
Do.....		98		14,210		11	.035
Cement.....		198		5,780		11	.025
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel bars.....		279	279	41,200	41,200	11	.051
Machinery and vehicles: Vehicles, except agricultural.....		22	22	9,900	9,900	11	.055
Chemicals.....			101		7,550		
Fertilizer material.....		95		6,650		11	.045
Soap.....		6		900		11	.055
Unclassified.....			1,896		768,000		
Miscellaneous articles.....		1,880		755,200		11	.045
Household furniture.....		16		12,800		11	.055
Total.....	2,143	4,102	6,245		1,309,348		
SHIPMENTS, COASTWISE.							
Other vegetable products, except fibers and wood:			3,664		318,470		
Rosin.....		2,786		195,020		11	0.25
Turpentine, spirits.....		878		123,450		11	0.35
Wood and paper: Lumber, southern yellow pine.....	2,000		2,000	40,050	40,050	11	Barged

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—continued.							
Unclassified.....			132		\$56,400	Miles.	
Miscellaneous articles.....		123		\$49,200		11	\$0.045
Household furniture.....		9		7,200		11	.055
Total.....	2,000	3,796	5,796		414,920		
Total receipts and shipments, coastwise.....	4,143	7,898	12,041		1,724,268		
RECEIPTS, INTRAPORT.							
Other vegetable products, except fibers and wood.....			2,982		355,480		
Resin.....		2,344		164,080		21	Cargo.
Turpentine.....		638		91,400		21	Cargo.
Wood and paper.....			95,292		887,505		
Logs and round timber, southern yellow pine.....	68,000			510,000		20	Rafted.
Boards, planks, and sawed lumber, southern yellow pine.....	15,000			300,000		20	Barged.
Crossties, pine.....	3,292			57,505		12	Rafted.
Cordwood, green.....	8,000			8,000		6	Barged.
Staves and headings.....	1,000			12,000		16	Barged.
Total.....	95,292	2,982	98,274		1,242,985		

NOTE.—Commodities in above table represent traffic on St. Andrews Bay proper and arms thereof. The resin and turpentine was shipped from points along arms of St. Andrews Bay into St. Andrews by barges and launches, then transhipped coastwise from St. Andrews. The logs and lumber was towed to and from sawmills on the bay; the lumber being shipped from St. Andrews to foreign ports.

It is not practicable to segregate receipts from shipments.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.						Total.	
			Coastwise.				Intraport.			
			Receipts.		Shipments.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			873	\$235,380					873	\$235,380
Vegetable food products, oilseeds, expressed oils and beverages.....			1,495	141,190					1,495	141,190
Other vegetable products, except fibers and wood.....			2	4,000	3,664	\$318,470	2,982	\$355,480	6,648	677,950
Wood and paper.....	86,279	\$1,725,580	10	230	2,000	40,060	95,292	887,505	183,580	2,653,365
Nonmetallic minerals.....			1,567	101,898					1,567	101,898
Ores, metals, and manufactures of, except machinery and vehicles.....			279	41,200					279	41,200
Machinery and vehicles.....			22	9,900					22	9,900
Chemicals.....			101	7,550					101	7,550
Unclassified.....			1,896	768,000	132	56,400			2,028	824,400
Totals.....	86,279	1,725,580	6,245	1,309,348	5,796	414,920	98,274	1,242,985	196,594	4,692,833

Vessel classification.

Class.	Number.		Total.	Net registered tonnage.
	American.	Foreign.		
Foreign trade:				
Steamers.....	5	5	10	20,719
Sailing.....	33	25	63	32,864
Tugs.....	4		4	288
Barges.....	19	1	20	7,352
Total.....	66	31	97	63,223

Class.	Number.	Net registered tonnage.	Passengers.
Coastwise and intraport:			
Steamers.....	1	281	1,063
Fishing smacks.....	16	133	
Tugs.....	3	68	
Gasoline launches.....	27	69	
Barges.....	9	870	
Total.....	56	1,421	1,063

CHOCTAWHATCHEE RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year	Tons.	Value.
1883.....	11,406	\$1,065,800	1907.....	24,000	\$2,500,000
1894.....	30,309	2,000,000	1908.....	(1)	2,211,651
1895.....	16,265	1,900,000	1909.....	(1)	1,750,000
1896.....	15,952	(1)	1910.....	(1)	2,000,000
1897.....	34,070	2,000,000	1911.....	(1)	2,000,000
1898.....	22,308	1,400,000	1912.....	68,184	1,732,292
1899.....	18,663	1,000,000	1913.....	73,877	1,585,969
1900.....	18,104	1,000,000	1914.....	25,440	919,688
1901.....	18,630	1,024,650	1915.....	30,466	1,019,627
1902.....	10,544	529,000	1916.....	26,289	948,617
1903.....	(1)	1,500,000	1917.....	18,428	803,993
1904.....	(1)	1,500,000	1918.....	22,616	777,177
1905.....	(1)	1,500,000	1919.....	25,556	1,196,268
1906.....	(1)	810,000	1920.....	13,384	907,485

¹ No statistics available.

In the above figures for 1919, 15,000 tons of logs, valued at \$90,000—rafted down the river—was included; in the figures for 1920, 6,000 tons of logs, valued at \$90,000, is included. In previous years the chief commerce has been floating logs and timber down the river.

The decline in commerce for 1920 as shown by above table is due to the fact that the commerce for La Grange Bayou was included in Choctawhatchee River tables for all previous years; a separate report is made for La Grange Bayou for 1920.

[Navigation season; entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.							
Animals, and animal products, except wool and hair.....			162		\$72,200	Miles.	
Meat, poultry and eggs.....	104			\$41,600		28	\$0.04
Milk and cream.....	25			10,000		28	.04
Butter and cheese.....	8			5,600		28	.08
Lard.....	25			15,000		28	.045
Vegetable food products, oil seeds, expressed oils, and beverages.....			1,042		108,800		
Wheat flour.....	150			21,000		28	.04
Corn meal, grits, and hominy.....	104			10,040		28	.032
All other grains.....	500			36,000		28	.032
Hay.....	54			1,620		28	.04
Bran and middlings.....	110			5,500		28	.032
Beans, dried.....	25			4,500		28	.05
Potatoes, white.....	25			1,800		28	.05
Onions.....	13			1,300		28	.05
Vegetables, canned.....	26			7,800		28	.05
Coffee.....	13			7,800		28	.08
Sugar, cane.....	22			11,440		28	.08
Other vegetable products, except fibers and woods:							
Tobacco, manufactured.....		10	10	20,000	20,000	28	.08
Wood and paper.....			1,050		38,855		
Barrels and casks, empty.....	250			4,455		28	.04
Staves and headings.....	800			34,400		86	Cargo.
Nonmetallic minerals.....			256		21,250		
Refined petroleum.....		50		1,650		28	.04
Gasoline.....		154		12,320		28	.06
Lubricating oils.....		52		7,280		28	.04
Chemicals.....			126		12,600		
Mixed fertilizers and fertilizer materials.....		113		8,900		28	.035
Soap, laundry and toilet.....		13		3,700		28	.06
Unclassified: Miscellaneous articles.....		208	208	33,290	33,290	28	.07
Total.....	1,050	1,804	2,854		308,985		
DOWNSTREAM.							
Other vegetable products, except fibers and wood.....			4,530		510,500		
Rosin.....		3,750		267,500		28	.033
Spirits of turpentine.....		780		243,000		28	.05
Wood and paper: Logs and round timber, yellow pine.....	6,000		6,000	90,000	90,000	60	Rafted.
Total.....	6,000	4,530	10,530		600,500		
Total, upstream and downstream.....	7,050	6,334	13,384		907,485		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Upstream.		Downstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	162	\$72,200			162	\$72,200
Vegetable food products, oil seeds, expressed oils, and beverages.....	1,042	108,800			1,042	108,800
Other vegetable products, except fibers and wood.....	10	20,000	4,530	\$510,500	4,540	530,500
Wood and paper.....	1,050	38,855	0,000	90,000	7,050	128,855
Nonmetallic minerals.....	256	21,250			256	21,250
Chemicals.....	126	12,600			126	12,600
Unclassified.....	208	33,280			208	33,280
Total.....	2,854	306,985	10,530	600,500	13,384	907,485

Vessel classification.

Class.	Number.	Net registered tonnage.
Steamers.....	1	57
Schooners.....	1	16
Barges.....	1	60
Rafts.....	85	
Total.....	88	133

HOLMES RIVER, FLA.

There was no commerce during the calendar year 1920.

Comparative statement.

Year.	Tons.	Value.	Year.	Tons.	Value.
1899.....	5,274	\$290,000	1912.....	18,648	\$851,165
1904.....	(1)	400,900	1913.....	23,430	900,626
1905.....	(1)	500,000	1914.....	13,294	691,988
1906.....	(1)	600,000	1915.....	14,477	787,508
1907.....	(1)	800,000	1916.....	14,555	788,463
1908.....	(1)	640,000	1917.....	12,372	648,151
1909.....	(1)	750,000	1918.....	16,667	685,510
1910.....	(1)	750,000	1919.....	4,475	39,200
1911.....	(1)	850,000			

¹ No statistics available.

NARROWS IN SANTA ROSA SOUND, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	50,932	\$2,065,444	(1)	1917.....	32,895	\$1,781,225	3,056
1913.....	85,132	3,193,523	(1)	1918.....	34,204	1,819,061	1,851
1914.....	49,645	2,054,839	(1)	1919.....	35,043	2,708,428	5,056
1915.....	55,699	2,461,173	(1)	1920.....	28,502	2,090,994	4,208
1916.....	55,789	2,451,204	(1)				

¹ No statistics available.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
GOING EAST.							
Animals and animal products, except wool and hair.			363		\$180,400	Miles.	
Cattle.	25			\$25,000		40	\$0.07
Eggs.	5			3,000		40	.045
Poultry.	2			1,200		40	.05
Other meat products.	178			70,200		40	.033
Milk and cream.	50			20,000		40	.055
Butter and cheese.	16			10,400		40	.065
Lard.	87			50,600		40	.046
Vegetable food products, oil seeds, expressed oils, and beverages.			3,090		354,820		
Wheat flour.		529		74,060		40	.045
Corn meal, grits and hominy.		183		18,300		40	.033
All other grains.		1,347		96,600		40	.033
Hay.		123		3,690		40	.04
Bran and middlings.		367		17,850		40	.033
Beans, dried.		89		16,020		40	.05
Onions.		55		6,520		40	.05
Potatoes, white.		129		15,330		40	.05
Vegetables, canned.		105		31,500		40	.045
Fruits.		45		4,500		40	.07
Coffee.		34		29,400		40	.055
Sugar, cane.		75		39,520		40	.055
Sirup.		9		1,530		40	.046
Other vegetable products, except fibers and wood:							
Tobacco, manufactured.		21	21	42,000	42,000	40	.065
Textiles: Rope, cable and cordage.		4	4	3,200	3,200	40	.04
Wood and paper.			376		7,097		
Barrels and casks, empty.		374		6,697		40	.055
Wrapping paper.		2		400		40	.05
Nonmetallic minerals.			530		36,987		
Refined petroleum.		139		4,587		40	.046
Gasoline.		215		18,760		40	.05
Lubricating oils.		68		9,600		40	.046
Portland cement.		100		3,000		40	.055
Lime.		8		1,040		40	.07
Ores, metals, and manufactures of, except machinery and vehicles.			216		55,260		
Wire nails.		53		6,360		40	.04
Hardware.		163		48,900		40	.06
Machinery and vehicles.			15		18,690		
Steam engines, stationary.		9		12,800		40	.055
Gasoline engines.		6		5,890		40	.055
Chemicals.			403		34,760		
Fertilizer, and fertilizer materials.		360		26,160		40	.045
Cartridges and shells.		3		3,730		40	.065
Soap, laundry and fancy.		40		4,850		40	.04
Unclassified.			717		123,400		
Miscellaneous articles.		708		116,200		40	.05
Household furniture.		9		7,200		40	.07
Total.		5,735	5,735		856,614		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
GOING WEST.							
Animals and animal products, except wool and hair			30		\$15,300	<i>Miles.</i> 40	\$0.045
Eggs		21		\$12,600		40	.045
Cattle hides and skins		9		2,700		40	.05
Vegetable food products, oil seeds, expressed oils, and beverages: Potatoes, white		4	4	480	480	40	.05
Other vegetable products, except fibers and wood			8,179		898,930		
Resin		6,799		475,930		40	.033
Spirits of turpentine		1,380		423,000		40	.046
Wood and paper: Lumber, southern yellow pine	14,404		14,404	288,080	288,080	40	Barged.
Chemicals: Dye (mineral)		33	33	4,550	4,550	40	.033
Unclassified			117		27,040		
Miscellaneous articles		113		23,840		40	.05
Household furniture		4		3,200		40	.07
Total	14,404	8,363	22,767		1,234,380		
Total going east and west	14,404	14,098	28,502		2,090,994		

SUMMARY.

Classes of commodities.	Going east.		Going west.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair	363	\$180,400	30	\$15,300	393	\$195,700
Vegetable food products, oil seeds, expressed oils, and beverages	3,090	354,820	4	480	3,094	357,914
Other vegetable products, except fibers and wood	21	42,000	8,179	898,930	8,200	940,930
Textiles	4	3,200			4	3,200
Wood and paper	376	7,097	14,404	288,080	14,780	296,177
Nonmetallic minerals	530	36,987			530	36,987
Ores, metals, and manufactures of, except machinery and vehicles	216	55,260			216	55,260
Machinery and vehicles	418	53,450			418	53,450
Chemicals			33	4,550	33	4,550
Unclassified	717	123,400	117	27,040	834	150,440
Total	5,735	856,614	22,767	1,234,380	28,502	2,090,994

Vessel classification.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers	1	57	1,478
Tugs	1	36	
Schooners	7	168	
Gasoline launches	12	98	2,790
Barges	2	120	
Total	23	479	4,268

BLACKWATER RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	123, 124	\$2, 508, 022	(1)	1917.....	118, 593	\$2, 051, 271	5, 519
1913.....	125, 940	2, 176, 079	(1)	1918.....	92, 630	1, 878, 752	4, 504
1914.....	136, 917	2, 130, 039	(1)	1919.....	72, 291	1, 882, 587	3, 481
1915.....	131, 118	2, 048, 353	(1)	1920.....	49, 294	1, 924, 160	2, 780
1916.....	107, 560	1, 794, 858	(1)				

¹ No statistics available.

Nineteen thousand seven hundred and sixty-six tons of logs and cross ties, valued at \$158,745, rafted down the Blackwater River, is included in the above amounts for 1919; 12,720 tons of squared timber, valued at \$229,400, which was rafted down the river from about five miles above its mouth, is included in the above amounts for 1920.

Logs, timber and cross ties brought down the river in rafts has been included in commercial statistics for the river every year, but the quantities and values of same, except for the years 1919 and 1920, are not ascertainable.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.							
Animals and animal products, except wool and hair.			330		\$180, 750	Miles.	
Poultry.....		6		\$3, 600		7	\$0.07
Eggs.....		9		6, 000		7	.07
Other meat products.....	100			40, 000		7	.07
Milk and cream.....	3			1, 200		7	.07
Butter and cheese.....	50			50, 000		7	.07
Fish.....	20			6, 000		7	.07
Oysters, in shell.....	25			750		7	.07
Lard.....	100			50, 000		7	.07
Hides and skins.....	38			21, 600		7	.07
Leather, sole.....	1			1, 600		7	.07
Vegetable food products, oil seeds, expressed oils, and beverages.			1, 739		262, 300		
Flour, wheat.....	200			28, 000		7	.07
Corn meal, grits, and hominy.....	200			20, 000		7	.07
All other grains.....	250			18, 000		7	.07
Hay.....	150			4, 500		7	.07
Bran and middlings.....	200			10, 000		7	.07
Beans, dried.....	20			3, 600		7	.07
Potatoes, white.....	230			27, 000		7	.07
Onions.....	100			12, 000		7	.07
Vegetables, canned.....	2			600		7	.07
Fruits.....	150			15, 000		7	.07
Pecans.....	50			25, 000		7	.07
Coffee.....	75			45, 000		7	.07
Sugar, cane.....	100			52, 000		7	.07
Sirup.....	12			1, 680		7	.07
Other vegetable products, except fibers and wood.			45		43, 000		
Tobacco, manufactured.....	20			40, 000		7	.07
Tar and pitch, wood.....	25			3, 000		7	.07
Textiles.....			79		67, 200		
Cotton cloth.....	30			18, 000		7	.07
Wearing apparel.....	1			2, 000		7	.07
Burlaps and bagging for cotton.....	8			3, 200		7	.07
Rope, cable and cordage.....	30			21, 000		7	.07
Miscellaneous textile products.....	10			20, 000		7	.07

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM—continued.							
Wood and paper.....			142		\$6,500	Miles.	
Lumber.....		100		\$2,000			\$0.07
Barrels.....		22		500			.07
Wrapping paper.....		20		4,000			.07
Nonmetallic minerals.....			285		31,550		
Lubricating oils.....		183		26,250			.07
Cement.....		100		3,000			.07
Glass.....		1		300			.07
Asbestos.....		1		2,000			.07
Ores, metals, and manufactures of, except machinery and vehicles.....			215		32,000		
Iron bars.....		20		2,000			.07
Steel bars.....		2		400			.07
Wire, galvanized, etc.....		112		15,000			.07
Wire nails.....		100		12,000			.07
Other iron and steel.....		5		800			.07
Zinc and tin.....		6		1,800			.07
Machinery and Vehicles.....			32		10,900		
Steam engines.....		10		16,000			.07
Other machinery, except agricultural.....		20		21,000			.07
Vehicles.....		2		900			.07
Chemicals.....			120		36,100		
Coal tar products.....		8		2,400			.07
Nitrate of soda.....		50		2,000			.07
Mixed fertilizers.....		300		21,000			.07
Cartridges, loaded.....		2		3,500			.07
Soap, laundry.....		60		7,200			.07
Unclassified.....			26		24,000		
Musical instruments.....		2		1,600			.07
Household furniture.....		6		4,800			.07
Office supplies.....		3		600			.07
Miscellaneous articles.....		15		17,000			.07
Total.....		3,343	3,343		821,300		
DOWNSTREAM.							
Animals and animal products, except wool and hair.....			209		\$3,900		
Hogs (swine).....		20		6,000			.07
Eggs.....		33		22,500			.07
Poultry.....		24		14,400			.07
Other meat products.....		50		20,000			.07
Butter and cheese.....		2		1,500			.07
Oysters in shell.....		50		1,500			.07
Hides and skins.....		30		18,000			.07
Vegetable food products, oil seeds, expressed oils, and beverages.....			106		27,700		
Potatoes, white.....		36		4,700			.07
Fruits.....		30		3,000			.07
Pecans.....		40		20,000			.07
Other vegetable products, except fibers and wood.....			509		71,100		
Tar and pitch, wood.....		150		18,000			.07
Spirits of turpentine.....		110		33,000			.07
Resin.....		330		23,100			.07
Textiles: Cotton, short staple, unmanufactured.....		38	38	15,000	15,000	7	.07
Wood and paper.....			44,858		872,160		
Timber, sawed, southern yellow pine.....	12,720			229,400		5	Rafted.
Boards, planks and other sawed lumber, southern yellow pine.....	32,138			642,760		5	Barred.
Unclassified.....			150		27,000		
Household furniture.....		50		9,000			.07
Miscellaneous articles.....		100		18,000			.07
Total.....	44,858	1,063	45,951		1,099,860		
Total upstream and downstream.....	44,858	4,436	49,294		1,921,160		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Upstream.		Downstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	330	\$180,750	209	\$83,900	539	\$264,650
Vegetable food products, oil seeds, expressed oils and leverages.....	1,739	262,300	106	27,700	1,845	290,000
Other vegetable products, except filers and wood.....	45	43,000	590	74,100	635	117,100
Textiles.....	79	67,200	38	15,000	117	82,200
Wood and paper.....	142	6,500	44,858	872,160	45,000	878,660
Nonmetallic minerals.....	285	31,550			285	31,550
Ores, metals and manufactures of, except machinery and vehicles.....	245	32,000			245	32,000
Machinery and vehicles.....	32	40,900			32	40,900
Chemicals.....	420	36,100			420	36,100
Unclassified.....	26	24,000	150	27,000	176	51,000
Total.....	3,343	824,300	45,951	1,009,860	49,294	1,924,160

Vessel classification.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers.....	2	76	2,760
Gasoline launches.....	3	84	
Tugs.....	2	46	
Barres.....	10	1,068	
Rafts.....	183		
Total.....	200	1,271	2,700

ESCAMBIA AND CONECUH RIVERS, FLA. AND ALA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912.....	116,510	\$1,331,540	1917.....	27,968	\$321,670
1913.....	107,713	1,026,880	1918.....	10,480	189,600
1914.....	70,912	709,120	1919.....	3,000	170,000
1915.....	85,000	850,000	1920 ¹	7,691	1159,700
1916.....	18,695	186,947			

¹ Timber rafted down the Escambia and Conecuh Rivers is included in the above figures, this being the chief commerce carried on. For 1919, 2,000 tons, valued at \$50,000, was included; and for 1920, 7,500 tons of timber, valued at \$150,000, is included.

² No passengers were carried, except on fishing and pleasure parties, figures for which are not ascertainable.

Freight traffic, 1920.

[Navigation season; entire year.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM.							
Wood and paper.....			7,640		\$152,800		
Timber, southern yellow pine.....	7,500			\$150,000		144	Rafted.
Lumber, southern yellow pine.....		140		2,800		26	\$0.025
Total.....	7,500	140	7,640		152,800		
SHIPMENTS, UPSTREAM.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			31		5,300		
All grains and flours.....		4		320		26	.025
Bran and middlings.....		8		400		26	.025
Beans, dried.....		2		360		26	.025
Potatoes, white.....		5		600		26	.025
Onions.....		2		240		26	.025
Vegetables, canned.....		2		600		26	.025
Fruits.....		2		200		26	.025
Coffee, roasted.....		2		1,200		26	.025
Sugar, cane.....		2		1,040		26	.025
Sirup, cane.....		2		340		26	.025
Nonmetallic minerals: Gasoline.....		20	20	1,600	1,600	26	.025
Total.....		51	51		6,900		
Total, upstream and downstream.....	7,500	191	7,691		159,700		

SUMMARY.

Classes of commodities.	Shipments downstream.		Shipments upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products, oil seeds, expressed oils, and beverages.....			31	\$5,300	31	\$5,300
Wood and paper.....	7,640	\$152,800			7,640	152,800
Nonmetallic minerals.....			20	1,600	20	1,600
Total.....	7,640	152,800	51	6,900	7,691	159,700

Vessel classification.

Class.	Number.	Net registered tonnage.
Tugs.....	2	40
Gasoline launches.....	1	10
Rafts.....	28	
Total.....	31	50

PENSACOLA HARBOR, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896.....	105,760	\$335,196	(1)	1907.....	(1)	\$19,810,746	(1)
1897.....	105,000	281,071	(1)	1908.....	(1)	20,322,649	(1)
1898.....	110,630	282,432	(1)	1912.....	1,271,979	34,668,478	(1)
1899.....	108,670	742,710	(1)	1913.....	1,475,060	36,573,434	(1)
1900.....	79,600	437,222	(1)	1914.....	1,164,502	22,819,119	(1)
1901.....	90,450	350,141	(1)	1915.....	871,166	23,065,884	(1)
1902.....	490,000	11,069,194	(1)	1916.....	810,544	22,737,010	(1)
1903.....	510,791	13,741,540	(1)	1917.....	524,058	19,911,307	9,277
1904.....	(1)	15,893,456	(1)	1918.....	383,838	13,790,741	7,460
1905.....	(1)	15,295,069	(1)	1919.....	458,452	19,258,535	9,853
1906.....	577,000	18,432,931	(1)	1920.....	675,493	23,074,901	8,783

¹ No statistics available.² Cargoes in transit not included, 534,426 short tons, value not known.

[Navigation season, all the year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair:				
Cattle hides and skins.....	2	2	\$1,296	\$1,296
Vegetable food products, oil seeds, expressed oils, and beverages.....		87		11,594
Lemons, in boxes.....	82		7,394	
Sugar, cane.....	5		4,200	
Nonmetallic minerals: Petroleum, crude.....	16,317	16,317	126,030	126,030
Wood and paper.....		21,581		828,411
Cabinet woods in the log—				
Mahogany.....	21,417		803,266	
Cedar.....	164		25,145	
Chemicals.....		67,868		2,387,803
Fertilizer and fertilizer materials—				
Sodium nitrate.....	31,591		1,409,723	
Kainit.....	11,323		230,202	
Chloride, crude (muriate of potash).....	24,954		747,878	
Total.....		105,855		3,355,134
EXPORTS.				
Animals and animal products, except wool and hair.....		101		18,714
Other greases, oils, and fats.....	66		15,339	
Glue.....	35		3,375	
Vegetable food products, oil seeds, expressed oils, and beverages.....		3,326		213,006
Flour, wheat.....	406		29,011	
Cottonseed hulls.....	371		5,565	
Oil cake, cottonseed.....	2,549		178,430	
Other vegetable products, except fibers and wood.....		23,738		2,601,283
Rosin.....	12,779		1,597,375	
Spirits of turpentine.....	3,111		533,303	
Tar and pitch, wood.....	7,848		70,608	
Textiles.....		927		352,000
Cotton, unmanufactured, short staple.....	800		320,000	
Burlaps.....	127		32,000	
Wood and paper.....		157,475		3,335,080
Southern yellow pine—				
Timber, squared.....	25,368		507,360	
Lumber.....	131,361		2,629,220	
Gum, lumber.....	31		800	
Other hard wood lumber.....	281		33,460	
Staves and headings.....	60		4,800	
Office furniture.....	55		27,500	
Other wood furniture.....	101		90,900	
Handles for implements and tools.....	217		40,819	
Wrapping paper.....	1		221	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Nonmetallic minerals.....		222, 803		\$2, 487, 821
Coal, bituminous.....	219, 617		\$2, 415, 787	
Coke.....	2, 815		48, 535	
Gasoline.....	6		397	
Lubricating oils.....	3		382	
Glass containers (empty bottles).....	362		22, 720	
Ores, metals, and manufactures of, except machinery and vehicles.....		5, 294		586, 235
Steel billets.....	2, 802		252, 280	
Sheet and tin plates.....	109		8, 080	
Steel bars.....	154		8, 383	
Other steel plates, not fabricated.....	488		73, 200	
Iron and steel sheets, galvanized.....	56		2, 919	
Cast-iron pipe.....	572		112, 899	
Barbed wire.....	945		79, 081	
Wire nails.....	119		8, 884	
Metafilling cases.....	2		509	
Car and marine hardware.....	47		40, 000	
Machinery and vehicles.....		223		155, 428
Steam engines, stationary.....	151		105, 700	
Steam engines, marine.....	18		17, 800	
Gasoline engines, marine.....	12		12, 000	
Power transformers.....	7		2, 400	
Other electrical apparatus.....	8		7, 950	
Oil-well drilling apparatus.....	27		9, 578	
Chemicals.....		24, 349		2, 416, 752
Caustic soda.....	109		1, 098	
Oil varnishes.....	1		4, 000	
Sulphate of ammonia.....	23, 410		2, 341, 024	
Nitrogenous materials.....	715		45, 566	
Prepared fertilizers.....	29		8, 900	
Soap, toilet and laundry.....	85		16, 170	
Unclassified.....		10		2, 780
Candles.....	9		1, 980	
Printers' and lithographers' ink.....	1		800	
Total exports.....		438, 246		12, 169, 090
Total imports and exports.....		544, 101		15, 524, 233

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.....			4, 247		\$910, 668	Miles.	
Hogs (swine).....		20		\$6, 000		11.00	\$0.07
Eggs.....		54		35, 100		11.00	.07
Poultry.....		26		13, 600		11.00	.07
All other meat products.....		80		32, 000		11.00	.07
Butter and cheese.....		2		1, 500		11.00	.07
Oysters in shell.....		68		9, 400		11.00	.07
Lard.....		18		9, 000		11.25	.025
Cattle hides and skins.....		39		20, 700		11.00	.07
Fish.....	3, 940			783, 368		11.25	Cargo.
Vegetable food products, oil seeds, expressed oils, and beverages.....			346		65, 230		
Wheat flour.....		7		980		11.25	.025
All other grains.....		2		160		11.00	.07
Hay.....		108		9, 000		11.00	.07
Beans, dried.....		15		2, 700		11.00	.07
Potatoes.....		40		5, 180		11.00	.07
Fruits.....		30		3, 000		11.00	.07
Pecans.....		40		20, 000		11.25	.025
Sugar, refined.....		11		5, 700		11.25	.025
Sirup, cane.....		93		18, 510		11.00	.07

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—CON.							
Other vegetable products, except fibers and wood			18,020		\$2,121,210	Miles.	
Rosin		14,298		\$1,000,860		11.25	\$0.025
Turpentine, spirits		3,689		1,115,800		11.25	.025
Dry (mineral)		33		4,550		5.00	.046
Textiles			40		16,600		
Cotton, unmanufactures		38		15,000		11.25	.025
Rope, cable and cordage		2		1,600		11.25	.025
Wood and paper			68,508		1,374,480		
Timber, pine, squared	10,720			214,400		11.00	Rafted.
Lumber, pine	57,764			1,155,280		8.00	Barged.
Wrapping paper		24		4,800		11.25	.025
Nonmetallic minerals			8,602		182,710		
Refined petroleum	7,815			110,000		11.25	Cargo.
Gasoline	637			50,960		11.25	Cargo.
Lubricating oils		150		21,750		11.25	Cargo.
Ores, metals, and manufactures, except machinery and vehicles			129		21,350		
Iron bars	89			13,350		11.25	.025
Steel bars, etc.	40			8,000		11.25	.025
Machinery and vehicles			58		26,400		
Carriages, drays, trucks, etc.		48		19,400		11.25	.025
All other machinery, except agricultural		10		7,000		11.25	.025
Unclassified			654		252,840		
Miscellaneous articles		540		192,640		11.25	.025
Household furniture		114		60,200		11.25	.04
Total	81,005	19,599	100,604		4,971,488		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair			722		360,150		
Cattle		25		25,000		11.00	.08
Eggs		11		7,200		11.00	.07
Poultry		10		6,000		11.00	.07
Other meat products		278		111,200		11.00	.07
Milk and cream, canned		55		22,000		11.00	.07
Butter and cheese		66		61,000		11.00	.07
Fish, fresh		23		6,600		11.00	.07
Oysters in shell		25		750		11.00	.07
Oysters, shucked		2		600		11.00	.07
Fish, canned		2		800		11.00	.07
Lard		187		95,500		11.00	.07
Cattle hides and skins		37		21,900		11.00	.07
Sole leather		1		1,600		11.00	.07
Vegetable food products, oil seeds, expressed oils, and beverages			7,102		766,700		
Wheat flour		733		102,620		11.00	.07
Corn meal, grits, and hominy		389		38,900		11.00	.07
All other grains and flours		2,038		149,940		11.25	.025
Hay and feed stuffs		1,673		77,950		11.25	.025
Bran and middlings		566		28,300		11.00	.07
Beans, dried		111		19,980		11.00	.07
Potatoes, white		365		42,650		11.00	.07
Onions		158		18,800		11.00	.07
Vegetables, canned		117		35,100		11.00	.07
Fruits: Fresh, dried and canned		481		48,100		11.25	.03
Pecans		50		25,000		11.00	.07
Coffee		112		26,700		11.00	.07
Sugar		285		148,720		11.25	.04
Sirup		24		3,940		11.00	.07

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—continued.							
Other vegetable products, except fibers and wood.			68		\$87,800	Miles.	
Tar and pitch, wood.		25		\$3,000		11.00	\$0.07
Seeds for sowing.		1		800		11.25	.025
Tobacco, manufactured.		42		81,000		5.00	.016
Textiles.			81		81,000		
Cotton cloth.		31		18,800		11.00	.07
Wearing apparel.		1		2,000		11.00	.07
Jute, including burlaps and bagging for cotton.		12		6,400		11.00	.07
Rope, cable, and cordage.		30		21,000		11.00	.07
Miscellaneous textile products.		10		30,000		11.00	.07
Wood and paper.			977		22,568		
Boards, planks, deals, and other sawed lumber.	527			10,510		11.00	Cargo.
Barrels, casks, and hogsheads, empty.	428			7,728		11.25	.03
Wrapping paper, etc.		22		4,300		11.00	.07
Nonmetallic minerals.			15,881		112,782		
Coal, bituminous.		4		44		5	.046
Fuel oil.	14,373			38,607		11.25	Cargo.
Gasoline.		189		15,800		11.25	.025
Lubricating oils.		878		42,535		11.25	.025
Portland cement.		366		10,950		11.25	.015
Plate and window glass.		2		600		5.00	.016
Bricks and tiles.	61			1,956		5.00	.016
Asbestos.		1		1,000		11.00	.07
Other manufactures of asbestos.		4		1,240		11.25	.03
Ores, metals, and manufactures of, except machinery and vehicles.			801		115,630		
Steel bars.	2			400		11.00	.05
Iron bars.	22			2,200		11.00	.05
Wire.		120		16,800		11.00	.05
Nails.		144		17,280		11.00	.05
Other iron and steel.	510			77,150		11.25	.025
Zinc and tin.		6		1,800		11.00	.07
Machinery and vehicles.			56		79,700		
Electric machinery and apparatus.		30		18,000		11.25	.025
Other machinery, except agricultural.		24		30,800		11.25	.025
Vehicles, except agricultural.		2		900		11.00	.05
Chemicals.			906		79,590		
Coal tar, crude.		10		3,000		11.00	.05
Nitrate of soda.		48		5,200		11.00	.07
Prepared fertilizers.		712		51,910		11.25	.025
Ammunition and fireworks.		5		7,250		5.00	.046
Soap, laundry.		101		12,200		5.00	.046
Unclassified.			4,188		873,280		
Musical instruments.		2		1,600		11.00	.07
Miscellaneous office supplies.		3		600		11.00	.055
Miscellaneous articles.		4,166		857,480		11.25	.045
Household furniture.		17		13,600		11.00	.07
Total.	15,926	14,862	30,788		2,579,180		
Total receipts and shipments.	96,931	34,461	131,392		7,550,668		

Freight traffic, 1920—Continued.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Commodities.	Amount in short tons.
Hides and skins.....	104	Fuel oil.....	7,681
Wheat.....	146,666	Glass.....	70
Flour, wheat.....	126	Steel bars.....	129
Cottonseed cake.....	7,438	Steel plates.....	1,067
Syrup.....	1,400	Pig copper.....	129
Resin.....	161	Pig lead.....	5,325
Tobacco, unmanufactured.....	125	Other ores, metals, alloys, etc.....	992
Cotton, unmanufactured.....	56,728	Muriate of ammonia.....	19
Jute, burlaps, bagging, etc.....	307	Kanite.....	12,146
Railroad ties.....	400	Other potash fertilizer materials.....	1,288
Boards, planks, deals, and all other sawed lumber.....	105,257	Phosphate rock.....	26,894
Paper.....	15	Sulphur.....	37,300
Oak staves.....	557	Alcohol drier.....	3,091
Handles for tools and implements.....	79	General cargoes.....	109,577
Coal, bituminous.....	4,021	Total.....	534,426
Crude petroleum.....	5,334		

The above tonnage covers only period of April 15 to December 31; no record of cargoes in transit was kept from January 1 to April 14.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	2	\$1,206	101	\$18,714	4,247	\$910,668	722	\$360,150	5,072	\$1,290,828
Vegetable food products, oil seeds, expressed oils, and beverages.....	87	11,594	3,326	213,006	346	65,230	7,102	766,700	10,861	1,056,530
Other vegetable products, except fibers and wood.....			23,738	2,601,283	18,020	2,121,210	68	87,800	41,826	4,810,293
Textiles.....			927	352,000	40	16,600	84	81,000	1,051	449,600
Wood and paper.....	21,581	828,411	157,475	3,335,040	68,508	1,374,480	977	22,568	248,541	5,560,539
Nonmetallic minerals.....	16,317	126,030	222,803	2,487,821	8,602	182,710	15,881	112,762	263,093	2,909,323
Ores, metals, and manufactures of, except machinery and vehicles.....			5,294	586,235	129	21,350	804	115,630	6,227	723,215
Machinery and vehicles.....			223	155,428	58	26,430	56	79,700	337	261,528
Chemicals.....	67,868	2,387,803	24,349	2,416,752			906	79,590	93,123	4,884,145
Unclassified.....			10	2,780	654	252,840	4,188	873,280	4,852	1,128,900
Total.....	105,855	3,355,134	438,246	12,169,099	100,604	1,971,488.30	788	2,579,180	675,493	23,074,901

Cargoes in transit, period of April 15 to December 31, 1920, 534,426 short tons.

Statement of vessels for the port of Pensacola for the calendar year ending Dec. 31, 1920.

FOREIGN.

Class.	American.	Foreign.	Total.	Net registered tonnage.
Steamers.....	57	48	105	221,902
Sailing.....	38	44	82	55,906
Tugs.....	33	.....	33	3,272
Barges.....	45	.....	45	21,009
Total.....	173	92	265	305,089

Thirty-nine of the above steamers cleared drawing more than 25 feet; five cleared drawing 30 feet or over.

COASTWISE.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers.....	4	432	4,463
Tugs.....	14	587	.....
Schooners.....	7	153	113
Gasoline launches.....	15	207	4,207
Fishing smacks.....	36	2,347	.....
Barges.....	30	2,580	.....
Rafts.....	116	.....	.....
Total.....	222	6,306	8,783

The above steamers, schooners, gasoline launches, and barges draw from 2 feet to 8 feet; the tugs and fishing smacks draw from 5 feet to 14 feet.

ALABAMA RIVER, ALA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896.....	71,072	\$6,400,000	.....	1909.....	85,380	\$6,043,140	.....
1897.....	96,536	8,320,000	.....	1910.....	108,373	6,610,275	.....
1898.....	97,176	8,400,000	.....	1911.....	110,231	8,523,948	.....
1899.....	76,629	6,887,610	.....	1912.....	139,846	7,195,848	20,091
1900.....	85,567	7,701,030	.....	1913.....	153,295	6,141,808	.....
1901.....	119,634	8,375,000	.....	1914.....	112,345	4,329,007	10,100
1902.....	114,087	8,375,000	.....	1915.....	76,417	3,831,064	12,014
1903.....	145,448	13,680,000	.....	1916.....	104,113	4,378,532	5,425
1904.....	133,092	13,317,000	.....	1917.....	94,356	4,074,254	4,567
1905.....	127,250	12,907,500	.....	1918.....	62,782	3,640,463	3,400
1906.....	125,000	13,750,000	.....	1919.....	65,774	3,627,330	2,840
1907.....	341,628	3,886,565	.....	1920.....	54,056	2,361,375	2,667
1908.....	78,593	7,000,000	.....			

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM.							
Animals and animal products, except wool and hair.			203		\$72, 400	Miles.	
Cattle.....	26			\$30, 050		125	\$0. 04
Hogs.....	3			530		125	. 04
Hams and shoulders, cured.....	22			12, 775		125	.035
Bacon, side meat.....	87			34, 625		125	.065
Eggs in shell.....	1			375		125	.035
Canned meats, various.....	2			775		125	.035
Milk and cream, condensed.....	2			525		125	.035
Cheese, other.....	5			1, 925		125	.035
Canned fish, various.....	3			1, 025		125	.035
Lard and substitutes.....	50			15, 050		125	.035
Leather manufactures.....	2			1, 725		125	.035
Vegetable food products, oil seeds, expressed oils, and beverages.....			1, 501		162, 650		
Corn, grain.....	218			5, 375		125	.02
Corn meal.....	8			775		125	.035
Hominy and grits.....	2			225		125	.035
Oats, grain.....	113			3, 175		125	.02
Rice, grain.....	2			250		125	.02
Wheat, grain.....	622			49, 750		125	.02
Wheat, flour.....	142			19, 875		125	.035
Bread, biscuits, etc.....	2			475		125	.02
Hay, baled.....	87			2, 550		125	.035
Bran and middlings.....	13			675		125	.02
Prepared feeds.....	14			975		125	.02
Potatoes.....	9			875		125	.035
Onions.....	1			100		125	.035
Canned vegetables.....	2			275		125	.035
Subtropical fruits.....	22			2, 325		125	.035
Dried and evaporated fruits.....	1			425		125	.035
Canned fruits.....	2			550		125	.035
Coffee.....	5			1, 675		125	.035
Sugar.....	41			15, 975		125	.025
Molasses and sirup.....	192			56, 225		125	.035
Beverages, bottled.....	3			125		125	.035
Other vegetable products, except fibers and wood.....			1, 313		197, 125		
Rosin.....	916			93, 725		95	.01
Wood turpentine.....	394			97, 650		95	.01
Tobacco manufactures.....	3			5, 750		125	.035
Textiles.....			501		208, 325		
Cotton, short staple.....	492			195, 775		150	.02
Cotton manufactures.....	3			3, 075		125	.035
Other vegetable fibers, manufactured.....	2			1, 125		125	.025
Wool, manufactured.....	4			8, 350		125	.035
Wood and paper.....			44, 123		428, 030		
Logs, southern yellow pine.....	36, 120			301, 100			Raft.
Railroad ties.....	3, 375			36, 150		100	.015
Pine piling.....	321			3, 750		85	.025
Boards, southern yellow pine.....	4, 221			80, 025		70	.025
Shingles.....	50			1, 125		125	.015
Doors, sash, and blinds.....	12			1, 275		125	.025
Various wood manufactures.....	22			4, 050		125	.025
Paper, various.....	2			575		125	.035
Nonmetallic minerals.....			51		3, 950		
Gasoline, naphtha, etc.....	36			2, 525		125	.02
Illuminating oil.....	12			725		125	.02
Lubricating oils.....	1			125		125	.02
Glass and glass products.....	2			575		125	.035

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—continued.							
Ores, metals, and manufactures of, except machinery and vehicles.			3		\$1,275	Miles.	
Stoves and ranges, cooking.		1		\$300		185	\$0.03
Tools, various.		2		975		125	.03
Chemicals.			9		5,325		
Various chemicals, except coal tar products.		3		875		125	.03
Paints, stains, varnishes.		2		1,075		125	.03
Cartridges, loaded.		2		3,125		125	.035
Soap, laundry.		2		250		125	.085
Unclassified: Miscellaneous.		952	952	346,750	346,750	125	.035
Total.	44,037	4,619	48,656		1,425,850		
SHIPMENTS, UPSTREAM.							
Animals and animal products, except wool and hair.			147		79,475		
Other cattle.		14		1,525		125	.04
Hams and shoulders, cured.		13		7,025		125	.035
Bacon, side meat.		72		54,300		125	.035
Canned meats, various.		2		825		125	.035
Milk and cream, condensed.		1		275		125	.035
Cheese, other.		1		425		125	.035
Canned fish, various.		1		375		125	.035
Lard and substitutes.		42		13,875		125	.035
Leather manufactures.		1		850		125	.035
Vegetable food products, oil seeds, expressed oils, and beverages.			1,695		149,225		
Corn, grain.		148		3,750		125	.02
Corn meal.		4		425		125	.035
Hominy and grits.		1		100		125	.035
Oats, grain.		137		4,025		125	.02
Rice, grain.		2		225		125	.02
Wheat, grain.		62		5,000		125	.02
Wheat flour.		19		2,750		125	.035
Hay, baled.		116		3,475		125	.02
Brass and middlings.		31		1,550		125	.02
Prepared foods.		8		550		125	.02
Potatoes.		4		450		125	.035
Onions.		1		100		125	.035
Other fresh vegetables.		2		225		125	.035
Subtropical fruits.		226		23,450		125	.035
Canned fruits, various.		1		300		125	.035
Cotton seed.		692		29,775		85	.025
Coffee.		2		750		125	.035
Sugar.		124		39,650		125	.025
Molasses and sirup.		115		32,675		125	.035
Other vegetable products, except wood and paper.			4		3,975		
Seeds for sowing.		2		325		125	.035
Tobacco, manufactured.		2		3,650		125	.035
Textiles.			132		55,800		
Cotton, short staple.		123		48,775		150	.02
Cotton manufactures.		2		2,675		125	.035
Other vegetable fibers, manufactured.		7		4,350		125	.035
Wood and paper.			417		8,600		
Boards, southern yellow pine.	402			7,775		80	.025
Shingles.		11		200		80	.025
Doors, sash, blinds.		4		625		80	.025
Nonmetallic minerals.			282		3,100		
Clay products, bricks.	180			1,075		150	.02
Salt.		102		2,025		125	.025

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM—continued.							
Ores, metals, and manufactures of, except machinery and vehicles.			11		\$1, 875	Miles.	
Black pipe.	3			\$500		125	\$0.08
Plain wire.		2		275		125	.03
Barbed wire.		3		525		125	.03
Wire nails.		1		150		125	.03
Hardware, various.		2		425		125	.03
Chemicals.			1, 183		45, 825		
Baking powder.		4		1, 250		125	.035
Sodas and soda compounds.		2		175		125	.035
Paints, stains, etc.		2		1, 175		125	.035
Prepared fertilizer.		1, 175		43, 225		125	.015
Unclassified, miscellaneous.		1, 529	1, 529	587, 650	587, 650	125	.035
Total, upstream.	585	4, 815	5, 400		935, 525		
Total, downstream.	44, 037	4, 619	48, 656		2, 361, 375		
Total shipments.	44, 622	9, 434	54, 056		2, 361, 375		

SUMMARY.

Group and class.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	203	\$72, 400	147	\$79, 475	350	\$151, 875
Vegetable food products, oil seeds, expressed oils, and beverages.....	1, 501	162, 650	1, 695	149, 225	3, 196	311, 875
Other vegetable products, except fibers and wood.....	1, 313	197, 125	4	3, 975	1, 317	201, 100
Textiles.....	501	208, 325	132	55, 800	633	264, 125
Wood and paper.....	44, 123	428, 050	417	8, 600	44, 540	436, 650
Nonmetallic minerals.....	51	3, 950	282	3, 100	333	7, 050
Ores, metals, and manufactures of, except machinery and vehicles.....	3	1, 275	11	1, 875	14	3, 150
Chemicals.....	9	5, 325	1, 183	45, 825	1, 192	51, 150
Unclassified.....	952	346, 750	1, 529	587, 650	2, 481	934, 400
Total.....	48, 656	1, 425, 850	5, 400	935, 525	54, 056	2, 361, 375

Vessel classification.

Class.	Number.	Net registered tonnage.
Registered:		
Steamers.....	3	720
Gasoline launches.....	3	21
Tugs.....	3	83
Unregistered:		
Barges.....	16	1, 200
Rafts.....	233	

COOSA RIVER, GA. AND ALA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894.....	150,878	\$1,620,000	(1)	1908.....	24,189	\$2,500,000	(1)
1895.....	86,545	1,800,000	(1)	1909.....	119,072	827,204	(1)
1896.....	54,613	1,800,000	(1)	1910.....	88,228	812,608	(1)
1897.....	68,359	2,050,000	(1)	1911.....	40,840	558,492	(1)
1898.....	66,936	2,000,000	(1)	1912.....	52,342	1,349,422	90
1899.....	50,518	2,778,490	(1)	1913.....	46,839	1,642,987	4,550
1900.....	33,776	2,000,000	(1)	1914.....	28,751	1,517,978	2,290
1901.....	36,640	1,800,000	(1)	1915.....	49,074	1,955,737	2,230
1903.....	77,760	1,975,548	(1)	1916.....	30,951	834,737	1,180
1904.....	38,000	1,825,000	(1)	1917.....	15,744	270,886	145
1905.....	94,694	3,119,200	(1)	1918.....	12,911	633,799	120
1906.....	82,720	2,789,433	(1)	1919.....	22,294	1,228,458	220
1907.....	124,078	3,500,000	(1)	1920.....	23,054	894,800	145

¹ No statistics available.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM.							
Animals and animal products, except wool and hair.....			74		\$30,925	Miles.	
Hams and shoulders.....	6			\$3,225		75	\$0.05
Bacon, side meat.....	42			15,775		75	.05
Canned meats.....	3			1,475		75	.05
Milk and cream, condensed.....	3			1,625		75	.05
Cheese.....	2			850		75	.05
Salt and pickled fish.....	1			300		75	.05
Canned fish.....	2			825		75	.05
Lard and substitutes.....	13			4,225		75	.05
Leather manufactures.....	2			2,625		75	.05
Vegetable food products, oil seeds, expressed oils; and beverages.....			908		57,400		
Corn, grain.....	154			4,725		75	.04
Corn meal.....	9			875		75	.05
Hominy and grits.....	2			225		75	.05
Oats, grain.....	160			4,300		75	.04
Rice, grain.....	2			250		75	.05
Wheat, grain.....	118			9,350		75	.04
Wheat flour.....	21			3,025		75	.05
Bread, biscuits, etc.....	2			525		75	.05
Hay.....	206			5,725		75	.04
Brans and middlings.....	34			1,625		75	.04
Prepared feeds.....	18			1,150		75	.04
Vegetables, fresh.....	4			525		75	.05
Vegetables, canned.....	3			500		75	.05
Subtropical fruits.....	127			7,225		75	.04
Canned fruits.....	3			875		75	.05
Coffee.....	19			7,525		75	.05
Sugar.....	9			3,750		75	.04
Molasses and sirup.....	17			5,225		75	.04
Other vegetable products, except fibers and wood.....			35		11,500		
Rosin.....	25			2,725		75	.05
Turpentine.....	6			1,700		75	.05
Tobacco, manufactured.....	4			7,075		75	.05
Textiles.....			40		20,300		
Cotton, short staple.....	38			18,675		75	.04
Cotton manufactures.....	2			1,625		75	.04

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—continued.							
Wood and paper			12, 116		\$122, 150	Miles.	
Logs—							
Southern yellow pine	9, 876			\$89, 675		45	(1)
Other soft woods.	2, 116			9, 275		30	(1)
Railroad ties	851			6, 975		55	(1)
Boards, southern yellow pine	221			4, 100		55	\$0.06
Shingles		52		12, 125		55	.06
Nonmetallic minerals.			285		4, 125		
Coal, bituminous	187			1, 300		20	.05
Gasoline, naphtha, etc.		16		1, 150		55	.05
Illuminating oil.		2		175		55	.05
Lubricating oil.		1		125		55	.05
Portland cement		12		250		50	.03
Lime		4		75		75	.03
Brick, building.		18		175		50	.04
Salt.		44		875		75	.04
Ores, metals, and manufactures of, except machinery and vehicles.			33		5, 300		
Barbed wire	12			1, 725		70	.06
Woven wire fencing.	17			3, 025		70	.06
Wire nails		4		550		75	.06
Machinery and vehicles.			25		16, 025		
Sawmill machinery.		18		10, 275		15	.06
Implements of cultivation.		7		5, 750		75	.06
Chemicals.			496		21, 050		
Baking powder.		2		675		75	.05
Sodas and soda compounds.		3		325		75	.05
Washing powders, etc.		1		275		75	.05
Paints, stains, etc.		2		1, 325		75	.05
Prepared fertilizers.		488		18, 450		75	.035
Unclassified: Miscellaneous.		877	877	156, 325	156, 325		
Total	12, 280	2, 609	14, 889		445, 100		
SHIPMENTS, UPSTREAM.							
Animals and animal products, except wool and hair.			24		8, 750		
Hogs		4		700		75	.05
Hams and shoulders.		2		1, 150		75	.05
Bacon, side meat		12		4, 700		75	.05
Canned meat, various.		2		825		75	.06
Milk and cream, condensed.		1		375		75	.05
Canned fish.		1		350		75	.05
Lard and substitutes.		2		650		75	.05
Vegetable food products, oil seeds, expressed oils, and beverages.			225		22, 625		
Corn, grain.		40		1, 450		75	.04
Corn meal.		3		300		75	.05
Hominy and grits.		1		100		75	.05
Oats, grain.		48		1, 250		75	.04
Wheat, grain.		5		425		75	.04
Wheat flour.		11		1, 525		75	.05
Bread, biscuits, etc.		1		250		75	.05
Hay, baled.		52		1, 525		75	.04
Prepared feeds.		8		550		75	.04
Potatoes.		2		200		75	.04
Onions.		1		75		75	.04
Other fresh vegetables.		2		250		75	.04
Canned vegetables.		1		150		75	.05
Canned fruits.		1		250		75	.05
Coffee.		2		750		75	.05
Sugar.		4		1, 250		75	.04
Molasses and sirup.		43		12, 300		75	.05

1 Rafted.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM—continued.							
Other vegetable products, except fibers and wood.....			676		\$107,475	Miles.	
Rosin.....		501		\$54,350		15	(1)
Wood turpentine.....		174		51,200		15	(1)
Tobacco, manufactured.....		1		1,925		75	\$0.05
Textiles: Cotton.....		212	212	104,875	104,875	75	.04
Wood and paper.....			4,694		106,926		
Logs, other softwoods.....	1,626			7,300		30	(2)
Boards: Southern yellow pine.....	2,077			46,625		35	.04
Shingles.....	187			39,875		15	(1)
Cooperage staves, slk.....	804			17,125		15	(2)
Nonmetallic minerals.....			1,571		4,775		
Gasoline, naphtha, etc.....		9		625		55	.05
Illuminating oil.....		2		125		55	.05
Sand and gravel.....	1,500			3,000		2	(2)
Portland cement.....		12		250		55	.03
Building brick.....	16			150		55	.04
Salt.....		32		625		65	.045
Ores, metals, and manufactures of, except machinery and vehicles.....			8		1,600		
Barbed wire fencing.....		2		350		70	.06
Woven wire fencing.....		3		550		70	.06
Hollow ware.....		1		400		75	.06
Nails, wire.....		2		300		65	.06
Machinery and vehicles.....			5		6,125		
Implements of cultivation.....		2		625		75	.06
Automobiles, passenger.....		3		5,500		75	.05
Chemicals.....			318		13,475		
Baking powder.....		1		350		75	.05
Paints, stain, etc.....		1		700		75	.05
Prepared fertilizer.....		316		12,425		75	.035
Unclassified: Miscellaneous.....		432	432	73,075	73,075	75	.05
Total upstream.....	6,210	1,955	8,165		449,700		
Total downstream.....	12,280	2,609	14,889		415,100		
Total shipments.....	18,490	4,564	23,054		864,800		

¹ Rafted.² This material carried on boats and barges privately owned; no statistics available as to cost per ton-mile. Material used in business of the various owners.

SUMMARY.

Class.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, etc.	74	\$30,925	24	\$8,750	98	\$39,675
Vegetable food products, etc.	908	57,400	225	22,625	1,133	80,025
Other vegetable products, etc.	35	11,500	676	107,475	711	118,975
Textiles	40	20,300	212	101,875	252	122,175
Wood and paper	12,116	122,150	4,694	106,925	16,810	229,075
Nonmetallic	285	4,125	1,571	4,775	1,856	8,900
Ores, metals, etc.	33	5,300	8	1,600	41	6,900
Machinery and vehicles	25	16,025	5	6,125	30	22,150
Chemicals	496	21,050	318	13,475	814	34,525
Unclassified	877	156,325	432	73,075	1,309	229,400
Total	14,889	445,100	8,165	449,700	23,054	894,800

Vessel classification.

Class.	Number.	Net registered tonnage.
Registered:		
Steamers.....	1	112
Launches, gasoline.....	2	16
Unregistered:		
Launches, gasoline.....	7	35
Barges.....	13	556
Rafts.....	316	

CHOCTAWHATCHEE BAY, FLA.

No money has been spent by the Government on this bay for improvement, and no commercial statistics have been compiled prior to 1920.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
GOING WEST.							
Animals and animal products, except wool and hair.			30		\$15,300	Miles. 26	
Eggs.		21		\$12,600		26	\$0.045
Cattle hides and skins.		9		2,700		26	.045
Vegetable food products, oilseeds, expressed oils, and beverages: Potatoes, white.		4	4	480	480	26	.05
Other vegetable products, except fibers and wood.			8,179		898,930		
Resin.	6,799			475,930		26	.033
Spirits of turpentine.	1,380			423,000		26	.046
Wood and paper.			22,404		348,080		
Lumber, southern yellow pine.	14,404			288,080		14	Barged.
Logs, pine.	8,000			60,000		16	Rafted.
Chemicals: Dye (mineral).		33	33	4,550	4,550	10	.033
Unclassified.			117		27,040		
Miscellaneous articles.		113		23,840		26	.06
Household furniture.		4		3,200		26	.07
Total.	22,404	8,363	33,767		1,294,380		
GOING EAST.							
Animals and animal products, except wool and hair.			363		180,400		
Cattle.		25		25,000		26	.07
Eggs.		5		3,000		26	.045
Poultry.		2		1,200		26	.05
Other meat products.		178		70,200		26	.033
Milk and cream.		50		20,000		26	.055
Butter and cheese.		16		10,400		26	.065
Lard.		87		50,600		26	.046
Vegetable food products, oilseeds, expressed oils, and beverages.			3,090		354,820		
Wheat flour.		529		74,060		26	.045
Corn meal, grits, and hominy.		183		18,300		26	.033
All other grains.		1,347		96,600		26	.033
Hay.		123		3,690		26	.04
Brn and middlings.		367		17,850		26	.033
Beans, dried.		89		16,020		26	.05
Onions.		55		6,520		26	.05
Potatoes, white.		129		15,370		26	.045
Vegetables, canned.		105		31,500		26	.05
Fruits.		45		4,900		26	.07
Coffee.		31		29,400		26	.055
Sirup.		9		1,530		26	.045
Sugar, cane.		75		33,520		26	.055

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.*		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
GOING EAST—continued.							
Other vegetable products, except fibers and wood:						<i>Miles.</i>	
Tobacco, manufactured.....		21	21	\$42,000	\$42,000	26	\$0.065
Textiles.....			376		7,097		
Rope, cable, and cordage.....		374		6,697		26	.055
Wrapping paper.....		2		400		26	.05
Nonmetallic minerals.....			530		36,987		
Refined petroleum.....		139		4,587		26	.046
Gasoline.....		215		18,760		26	.05
Lubricating oils.....		68		9,600		26	.046
Portland cement.....		100		3,000		26	.055
Lime.....		8		1,040		26	.07
Ores, metals, and manufactures of, except machinery and vehicles.....			216		55,260		
Wire nails.....		53		6,380		26	.04
Hardware.....		163		48,900		26	.04
Machinery and vehicles.....			15		18,690		
Steam engines, stationary.....		9		12,800		26	.055
Gasoline engines.....		6		5,890		26	.055
Chemicals.....			403		34,760		
Fertilizer and fertilizer materials.....		360		26,160		26	.045
Cartridges and shells.....		3		3,750		26	.065
Soap, laundry and fancy.....		40		4,850		26	.04
Unclassified.....			717		123,400		
Miscellaneous articles.....		708		116,200		26	.05
Household furniture.....		9		7,200		26	.07
Total going east.....		5,731	5,731		853,414		
Total going east and west.....	22,404	14,094	36,498		2,147,794		

SUMMARY.

Classes of commodities.	Going west.		Going east.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	30	\$15,300	363	\$180,400	393	\$195,700
Vegetable food products, oilseeds, expressed oils, and bearings.....	4	480	3,090	354,820	3,094	355,300
Other vegetable products, except fibers and wood.....	8,179	898,930	21	42,000	8,200	940,930
Textiles.....			376	7,097	376	7,097
Wood and paper.....	22,404	348,080			22,404	348,080
Nonmetallic minerals.....			530	36,987	530	36,987
Ores, metals, and manufactures of, except machinery and vehicles.....			216	55,260	216	55,260
Machinery and vehicles.....			15	18,690	15	18,690
Chemicals.....	33	4,550	473	34,760	436	39,310
Unclassified.....	117	27,040	717	123,400	834	150,440
Total.....	33,767	1,294,380	5,731	853,414	36,498	2,147,794

Vessel classification.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers.....	1	57	1,474
Tugs.....	1	36	.....
Schooners.....	7	168	.....
Gasoline launches.....	12	98	2,790
Barges.....	2	120	.....
Total.....	23	379	4,264

ESCAMBIA BAY, FLA.

This bay is unimproved, and statistics for previous years have not been compiled.

[Navigation season, all year.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, GOING WEST.							
Other vegetable products, except fibers and wood.....			98		\$17,700	Miles.	
Rosin.....		50		\$3,500		5	Barged.
Spirits of turpentine.....		48		14,200		5	Barged.
Wood and paper.....			7,640		152,800		
Timber, yellow pine.....	7,500			150,000		5	Rafted.
Lumber, yellow pine.....		140		2,800		5	\$0.025
Total.....	7,500	238	7,738		170,500		
SHIPMENTS, GOING EAST.							
Vegetable food products, oil-seeds, expressed oils, and beverages.....			31		5,300	5	.025
All grains and flours.....		4		320		5	.025
Bran and middlings.....		8		400		5	.025
Beans, dried.....		2		360		5	.025
Potatoes, white.....		5		600		5	.025
Onions.....		2		240		5	.025
Vegetables, canned.....		2		600		5	.025
Fruits.....		2		200		5	.025
Coffee, roasted.....		2		1,200		5	.025
Sugar, cane.....		2		1,040		5	.025
Sirup, cane.....		2		340		5	.025
Nonmetallic minerals: Gasoline.....		20	20	1,600	1,600		
Total.....		51	51		6,900		
Total going west and east.....	7,500	289	7,780		177,400		

SUMMARY.

Classes of commodities.	Shipments going west.		Shipments going east.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products, oil-seeds, expressed oils and beverages.....			31	\$5,300	31	\$5,300
Other vegetable products, except fibers and wood.....	98	\$17,700			98	17,700
Wood and paper.....	7,640	152,800			7,640	152,800
Nonmetallic minerals.....			20	1,600	20	1,600
Total.....	7,738	170,500	51	6,900	7,789	177,400

Vessel classification.

Class.	Number.	Net registered tonnage.
Tugs.....	2	40
Gasoline launches.....	1	10
Barges.....	1	150
Rafts.....	28	.....
Total.....	32	200

LA GRANGE BAYOU, FLA.

No money has been spent on this improvement since 1887, and no commercial statistics have been compiled prior to 1920.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.							
Animals and animal products, except wool and hair.....			133		\$62,400	Miles.	
Meat, poultry, and eggs.....		70		\$28,000		5	\$0.05
Milk and cream.....		17		6,800		5	.05
Lard.....		46		27,600		5	.083
Vegetable food products, oil-seeds, expressed oils, and beverages.....			1,383		138,670		
Flour, wheat.....		200		28,000		5	.033
Corn meal, grits, and hominy.....		52		5,200		5	.03
All other grains.....		760		53,200		5	.03
Hay.....		26		780		5	.033
Bran and middlings.....		156		7,800		5	.03
Potatoes, white.....		50		5,850		5	.05
Beans, dried.....		38		6,840		5	.03
Vegetables, canned.....		50		15,000		5	.05
Fruits.....		28		2,600		5	.05
Coffee.....		5		3,000		5	.05
Sugar.....		20		10,400		5	.05
Other vegetable products, except fibers and wood:							
Tobacco, manufactured.....		8	8	16,000	16,000	5	.05
Wood and paper: Barrels and casks, empty.....		104	104	1,780	1,780	5	.033
Nonmetallic minerals.....			52		4,498		
Petroleum, refined.....		26		858		5	.033
Lubricating oils.....		26		3,640		5	.033
Chemicals.....			170		14,000		
Mixed fertilizer, and fertilizer materials.....		160		12,800		5	.03
Soap, laundry.....		10		1,200		5	.05
Unclassified: Miscellaneous articles.....		250	250	40,800	40,800	5	.05
Total.....		2,100	2,100		278,148		
DOWNSTREAM.							
Other vegetable products, except fibers and wood.....			3,600		390,000		
Rosin.....		3,000		210,000		5	.033
Spirits of turpentine.....		600		180,000		5	.03
Wood and paper: Lumber and timber, softwood.....	2,000		2,000	40,000	40,000	5	Barged.
Total.....	2,000	3,600	5,600		430,000		
Total upstream and downstream.....	2,000	5,700	7,700		708,148		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Upstream.		Downstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	133	\$62,400			133	\$62,400
Vegetable food products, oilseeds, expressed oils and beverages.....	1,383	138,670			1,383	138,670
Other vegetable products, except fibers and wood.....	8	16,000	3,600	\$390,000	3,608	406,000
Wood and paper.....	104	1,780	2,000	40,000	2,104	41,780
Nonmetallic minerals.....	52	4,498			52	4,498
Chemicals.....	170	14,000			170	14,000
Unclassified.....	250	40,800			250	40,800
Total.....	2,100	278,148	5,600	430,000	7,700	708,148

Vessel classification.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers.....	1	57	340
Gasoline launches.....	2	36	
Tugs.....	1	42	
Barges.....	3	450	
Total.....	7	585	340

Draft of above steamer and tug, 5 feet.

In addition to the vessels listed above, there are a number of gasoline launches in La Grange Bayou, used for pleasure trips and for fishing parties.

ST. MARKS RIVER, FLA.

This river is unimproved, and no statistics have been compiled prior to 1920.

[Navigation season, entire year.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
UPBOUND, COASTWISE.						
Animals and animal products, except wool and hair: Fish.....	250	250	\$15,000	\$15,000	Miles. 54	Cargo.

There was no downstream traffic during 1920.

Vessel classification.

There were 20 gasoline launches with a net registered tonnage of 36.

PERDIDO BAY, FLA.

This bay is unimproved, and commercial statistics have not been compiled prior to 1920.

[Navigation season, entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commod- ities (pack- age).	Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
			By commod- ities.	By classes.		
SHIPMENTS, COASTWISE.						
All other vegetable products, except fibers and wood.....		120		\$15,300	Miles.	
Resin.....	90		\$6,300		5	Cargo.
Turpentine, spirits.....	30		9,000		5	Do.
Total.....		120		15,300		

Above covers all the commerce on Perdido Bay, except passengers.

MOBILE, ALA., DISTRICT.

MOBILE HARBOR, ALA.

Comparative statement of traffic, 1920.

Year.	General traffic.		Freight in transit.		Passengers.
	Tons.	Value.	Tons.	Value.	
1902	1,746,219	\$20,565,526	(1)	(1)	(2)
1903	1,099,738	32,562,750	(1)	(1)	(2)
1904	1,131,008	36,519,046	(1)	(1)	(2)
1905	1,755,213	47,697,160	(1)	(1)	(2)
1906	1,373,065	39,770,106	(1)	(1)	(2)
1907	2,460,710	48,424,172	(1)	(1)	(2)
1908	1,037,939	49,417,957	(1)	(1)	(2)
1909	1,415,233	48,706,940	(1)	(1)	78,038
1910	1,377,901	50,123,391	(1)	(1)	84,023
1911	1,412,350	48,272,020	(1)	(1)	120,969
1912	2,210,486	63,493,612	(1)	(1)	99,067
1913	2,212,805	61,368,688	(1)	(1)	119,277
1914	2,392,442	58,085,903	(1)	(1)	91,524
1915	1,579,804	46,440,771	(1)	(1)	140,210
1916	1,673,020	55,712,360	(1)	(1)	155,067
1917	1,816,824	66,177,622	(1)	(1)	121,113
1918	1,323,997	69,127,463	(1)	(1)	144,044
1919	¹ 1,970,638	99,776,399	17,862	\$71,448	127,523
1920	² 1,655,215	93,613,242	47,893	913,990	124,805

¹ Impracticable to separate.

² Not available.

³ Includes floated logs, impracticable to separate.

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair:				
Gloves, beeswax, millinery, etc.	2	2	\$5, 181	\$5, 181
Vegetable food products, oilseeds, expressed oils, and beverages		234, 697		1, 846, 537
Vegetable wax	5		5, 309	
Bananas	63, 365		963, 151	
Coconuts	727		34, 699	
Mo'asses	170, 173		773, 274	
Coffee	14		5, 306	
Honey	137		26, 499	
Wheat and wheat flour	6		793	
Fruit and vegetables	168		25, 266	
Cane sugar	102		12, 240	
Other vegetable products, except fibers and wood		21, 074		589, 655
Logwood	20, 248		578, 998	
Dye woods	825		8, 500	
Miscellaneous	1		2, 157	
Textiles		7, 722		1, 129, 653
Sisal	6, 550		857, 075	
Isle	1, 164		267, 226	
Miscellaneous	8		5, 352	
Wood and paper		570		26, 848
Mahogany	332		21, 403	
Manufactures of wood	238		5, 445	
Nonmetallic minerals		68, 383		289, 995
Crude mineral oil	68, 382		289, 627	
China ware	1		368	
Ores, metals, and manufactures, except machinery and vehicles		22, 653		520, 762
Iron ore	12, 328		294, 043	
Scrap iron	497		7, 870	
Manufactures of iron and steel	4		827	
Metal manufactures	7		722	
Manganese ore	9, 816		216, 472	
Miscellaneous	1		828	
Machinery and vehicles: Machinery	58	58	5, 820	5, 820
Chemicals		5, 517		326, 457
Nitrate of soda	2, 613		197, 709	
Kainit	2, 506		100, 240	
Manure salts	196		7, 840	
Potash, muriate	201		20, 100	
Miscellaneous	1		568	
Unclassified		779		80, 722
Household and personal effects	19		1, 910	
Miscellaneous	760		78, 812	
Total		361, 455		4, 821, 630
EXPORTS.				
Animals and animal products, except wool and hair		18, 580		8, 808, 606
Cattle	217		36, 885	
Hogs	600		148, 691	
Horses	11		2, 362	
Mules	31		15, 155	
Beef, pickled	42		10, 048	
Hams and shoulders, cured	417		250, 081	
Bacon	122		55, 465	
Pork, pickled	1, 369		580, 155	
Sausage, not canned	131		78, 952	
Beef, canned	68		48, 749	
Canned pork	1		549	
Canned sausage	682		389, 747	
Other canned meat	306		183, 680	
Other meat products	92		55, 419	
Condensed milk	2, 503		832, 875	
Evaporated milk	1, 083		251, 224	
Butter	15		21, 150	
Cheese	12		8, 066	
Fish	212		21, 209	
Dried cod, haddock, etc.	109		40, 273	
Other dried fish	110		32, 037	
Canned salmon	104		36, 165	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
EXPORTS—continued.				
Animals and animal products, except wool and hair— Continued.				
Other canned fish.....	44		\$15,010	
Shellfish.....	8		2,607	
Tallow.....	162		50,014	
Lard.....	8,376		4,173,724	
Neutral lard.....	24		11,261	
Lard, compound.....	558		264,334	
Stearin from animal fats.....	81		38,838	
Soap stock and other greases.....	849		84,835	
Hides.....	13		18,137	
Grains and finished splits.....	5		15,734	
Wax and rough splits.....	1		2,163	
Calf and whole kip leather.....	13		31,540	
Other upper leather.....	6		11,187	
Leather.....	10		20,088	
Men's and boys' shoes.....	62		342,703	
Women's shoes.....	13		49,579	
Children's shoes.....	20		133,942	
Harness and saddles.....	81		325,530	
Trunks, valises, and traveling bags.....	2		21,975	
Other leather manufactures.....	2		19,904	
Feathers.....	2		3,822	
Animal glue.....	10		3,851	
Miscellaneous.....	1		630	
Vegetable food products, oilseeds, expressed oils, and beverages.		78,330		\$9,221,510
Barley.....	3,172		276,660	
Malt.....	728		90,995	
Corn.....	9,470		614,724	
Corn meal.....	523		32,859	
Oats.....	3,309		204,124	
Oatmeal.....	1		299	
Rice.....	1,601		341,504	
Wheat flour.....	55,326		6,829,349	
Bread and biscuit.....	55		13,956	
Other breadstuffs.....	3		617	
Hay.....	74		2,394	
Bran and middlings.....	12		580	
Other mill feed.....	368		20,501	
Dried grain.....	6		229	
Dried peas.....	48		7,344	
Potatoes.....	41		4,053	
Onions.....	27		2,320	
Beans.....	1,796		309,073	
Other vegetables.....	10		9,964	
Canned corn.....	47		5,835	
Canned soups.....	19		4,675	
Canned tomatoes.....	519		64,892	
Other canned vegetables.....	46		7,703	
Pickles.....	41		16,364	
Vinegar.....	5		408	
Apples, green or ripe.....	9		528	
Other fresh fruits.....	8		1,702	
Raisins.....	1		559	
Dried apples.....	5		2,527	
Dried apricots.....	6		4,206	
Dried peaches.....	5		2,616	
Prunes.....	7		3,197	
Other dried fruits.....	7		2,778	
Canned peaches.....	627		156,849	
Canned pears.....	189		47,377	
Canned pineapple.....	38		9,450	
Canned preserves.....	57		56,527	
Preserved fruits.....	2		1,869	
Peanuts.....	3		807	
Other nuts.....	1		457	
Coca.....	1		842	
Coffee, roasted.....	1		5.0	
Sugar, refined.....	24		4,455	
Confectionery.....	4		7,575	
Rye whisky.....	24		27,395	
Beverages.....	62		24,836	
Miscellaneous.....	2		3,146	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Other vegetable products, except fibers and wood.....		11,747		\$2,485,273
Rubber boots.....	6		\$2,919	
Rubber shoes.....	6		26,324	
Pneumatic auto casings.....	54		107,424	
Other tires.....	3		2,871	
Pneumatic tubes.....	8		30,574	
Rubber hose.....	3		2,515	
Rubber soles and heels.....	2		3,124	
Other rubber manufactures.....	3		6,592	
Ro in.....	8,922		970,240	
Spirits of turpentine.....	1,623		587,103	
Tar, turpentine and pitch.....	161		12,277	
Other dyes.....	60		119,338	
Leaf tobacco.....	807		568,035	
Stems, trimmings, etc.....	11		5,601	
Cigarettes.....	5		17,698	
Smoking tobacco.....	2		1,815	
Plug tobacco.....	8		7,681	
Starch.....	20		2,394	
Broom corn.....	36		5,373	
Vegetable stearin.....	5		1,538	
Miscellaneous.....	5		3,837	
Textiles.....		18,911		16,556,326
Upland cotton.....	17,573		13,489,419	
Linters, cotton.....	192		37,223	
Cotton mill waste.....	50		12,576	
Cotton yarn.....	93		131,653	
Cotton sewing thread.....	1		1,995	
Cardage.....	38		9,658	
Other twine.....	1		570	
Unbleached cotton cloth.....	18		73,395	
Bleached cotton cloth.....	50		248,504	
Printed cotton cloth.....	3		18,541	
Piece-dyed cotton cloth.....	39		118,842	
Yarn-dyed cotton cloth.....	66		246,182	
Bleached cotton duck.....	13		30,078	
Unbleached cotton duck.....	10		28,882	
Colored cotton duck.....	12		24,063	
Cotton blankets.....	49		39,240	
Cotton hosiery.....	46		272,243	
Cotton underwear.....	9		69,110	
Other knit goods.....	2		12,349	
Cotton wearing apparel for men.....	55		437,877	
Cotton wearing apparel for women.....	5		33,085	
Other manufactures of cotton.....	104		820,076	
Fiber bags.....	59		11,775	
Other manufactures of fiber.....	417		333,273	
Oakum.....	2		810	
Manufactures of wool.....	2		8,880	
Manufactures of silk.....	1		24,774	
Miscellaneous.....	1		1,283	
Wood and paper.....		327,249		13,707,654
Hardwood logs.....	2,435		89,330	
Pine logs.....	1,074		59,836	
Softwood logs.....	248		9,740	
Hardwood hewn timber.....	4,545		124,593	
Hardwood sawed timber.....	262		11,998	
Softwood hewn timber.....	500		18,627	
Softwood sawed timber.....	820		20,501	
Sawed pitch pine timber.....	41,842		1,351,524	
Railroad ties.....	4,159		107,272	
Cypress boards.....	40		6,867	
Yellow pitch pine boards.....	149,888		5,630,714	
White pine boards.....	130		7,312	
Short-leaf yellow pine boards.....	1,986		60,500	
Softwood boards.....	112		4,256	
Other yellow pine.....	5,182		153,538	
Other lumber.....	2,000		72,768	
Hardwood boards.....	2,513		136,022	
Gum boards.....	9,413		461,870	
Oak boards.....	3,210		159,753	
Shingles.....	5		289	
Staves.....	41,323		1,834,125	
Heading.....	367		14,663	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
EXPORTS—continued.				
Wood and paper—Continued.				
Cooperage shooks.....	46,268		\$1,850,719	
Empty hogsheds.....	1,108		88,646	
Box shooks.....	1,279		85,291	
Other shooks.....	336		22,418	
Chairs not metal.....	54		40,580	
Office furniture not metal.....	65		42,999	
Other furniture not metal.....	606		403,969	
Boat oars and paddles.....	1		733	
Doors and sash.....	12		2,412	
Handles for implements and tools.....	175		175,230	
Trimnings and moldings.....	68		13,541	
Woodenware.....	1		360	
Other manufactures of wood.....	1,062		354,015	
Printing paper.....	784		168,131	
Wax paper.....	1		470	
Wrapping paper.....	185		44,675	
Writing paper.....	4		3,344	
Tissue and toilet paper.....	2		855	
Paper board.....	35		11,533	
Roofing felt.....	113		45,282	
Paper bags.....	2		580	
Boxes and cartons.....	14		5,718	
Other paper.....	15		5,099	
Books.....	3		6,015	
Music books.....	2		7,881	
Nonmetallic minerals.....		113,790		\$1,950,264
Bituminous coal.....	102,265		1,184,580	
Coke.....	24		5,338	
Crude mineral oil.....	3		190	
Gasoline.....	414		37,185	
Illuminating oil.....	217		21,873	
Gas and fuel oil.....	24		2,239	
Other naphtha and light products of distillates.....	9		400	
Other volatile oil.....	5		303	
Other lubricating oil.....	1,732		309,280	
Paraffin lubricating oil.....	5		261	
Lubricating grease.....	91		22,825	
Manufactures of stone.....	19		3,904	
Sand and gravel.....	667		10,085	
Hydraulic cement.....	230		5,585	
Plaster.....	130		12,829	
Glass.....	86		86,073	
Glass bottles.....	25		9,133	
Other lamps.....	16		16,827	
Fire clay.....	63		8,604	
Other clay.....	128		3,252	
Chinaware.....	1		532	
Earthenware and stoneware.....	156		15,621	
Other earthen, stone and china ware.....	225		45,034	
Fire brick.....	2,778		55,651	
Tile.....	204		16,317	
Building brick.....	166		1,444	
Emery and other wheels.....	15		10,539	
Grindstones.....	149		2,818	
Other abrasives.....	1		917	
Manufactures of asbestos.....	9		3,429	
Sulphur.....	89		1,846	
Salt.....	3,840		53,866	
Metal polish.....	3		1,000	
Miscellaneous.....	1		284	
Ores, metals, and manufactures, except machinery and vehicles.....		185,630		15,344,010
Pig iron.....	2,055		71,853	
Steel ingots.....	12,458		563,751	
Sheet steel.....	440		59,168	
Iron bars.....	6,902		505,966	
Wire rods.....	2,906		213,213	
Other bars or rods of steel.....	5,310		451,564	
Steel plates.....	54,147		3,330,123	
Iron sheets and plates.....	549		76,166	
Galvanized sheets and plates.....	2,296		393,747	
Hoop, band, and scroll.....	3,001		311,765	
Tin plates.....	20		26,097	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Ores, metals, and manufactures, except machinery and vehicles—Continued.				
Manufactures of tin plates.....	51		\$17, 117	
Structural iron and steel.....	840		41, 235	
Ship and tank plates.....	2, 228		298, 219	
Steel rail.....	47, 565		2, 247, 975	
Switches, railway.....	1, 671		167, 103	
Spikes, railway.....	581		38, 394	
Boiler tubes.....	196		39, 241	
Wrought-iron pipe.....	2, 464		345, 816	
Cast-iron pipe.....	9, 292		826, 701	
Barbed wire.....	7, 629		870, 909	
Woven wire fencing.....	545		60, 592	
Wire rope.....	56		27, 833	
Insulated wire and cable.....	3		4, 583	
Other wire.....	11, 713		1, 412, 483	
Other manufactures of wire.....	881		96, 986	
Castings.....	221		44, 293	
Car wheels and axles.....	955		191, 065	
Table and kitchen cutlery.....	2		5, 908	
Other cutlery.....	10		24, 583	
Tinware.....	9		17, 178	
Enameled bathtubs.....	274		98, 718	
Closet bowls, lavatories, and sinks.....	238		95, 130	
Other enameled ware.....	1, 230		492, 176	
Safes.....	27		9, 022	
Office furniture.....	9		3, 094	
Other furniture.....	829		276, 215	
Cut nails.....	69		7, 199	
Wire nails.....	1, 904		227, 831	
Other nails.....	103		13, 851	
Wood screws.....	1		954	
Bolts, nuts, rivets.....	240		32, 796	
Stoves and ranges.....	94		37, 502	
Axes.....	1		394	
Saws.....	5		10, 035	
Augers, bits, and drills.....	1		5, 015	
Files and rasps.....	2		3, 173	
Hammers and hatchets.....	4		7, 021	
Shovels and spades.....	22		14, 902	
Other tools.....	50		100, 289	
Rifles.....	2		5, 173	
Locks.....	1		3, 752	
Hinges and other builders' hardware.....	1		4, 774	
Other hardware.....	1		4, 764	
Chains.....	46		4, 607	
Scales and balances.....	17		17, 222	
Manufactures of iron and steel.....	924		615, 901	
Manufactures of aluminum.....	2		12, 103	
Copper pipe.....	6		3, 925	
Other manufactures of copper.....	2		5, 946	
Manufactures of brass.....	3		13, 392	
Lead manufactures.....	1		227	
Dross zinc.....	32		5, 360	
Zinc spelter from iron ore.....	2, 367		388, 539	
Zinc rolled in sheets.....	135		30, 682	
Manufactures of gold, silver, nickel, etc.	1		10, 633	
Machinery and vehicles.....		14, 990		\$6, 333, 982
Stationary steam engines.....	15		5, 000	
Steam locomotives.....	25		7, 488	
Parts of engines.....	437		218, 377	
Boilers.....	88		104, 370	
Parts of boilers.....	1		3, 550	
Stationary gas engines.....	1		226	
Stationary gasoline engines.....	45		37, 347	
Marine gasoline engines.....	6		6, 750	
Auto gasoline engines.....	1		2, 654	
Traction gasoline engines.....	40		163, 087	
Traction kerosene engines.....	28		38, 080	
Other kerosene engines.....	3		3, 387	
Other engines.....	5		9, 798	
Wind mills.....	1, 045		261, 343	
Batteries.....	1		582	
Transformers.....	24		47, 353	
Motors, electric.....	1		7, 103	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Machinery and vehicles—Continued.				
Other electrical machinery.....	77		\$25,556	
Excavating machinery.....	1		368	
Road making machinery.....	2		495	
Elevators and elevator machinery.....	10		29,307	
Oil well machinery.....	609		243,776	
Mining machinery.....	70		28,493	
Pumps.....	124		61,909	
Lathes.....	12		5,858	
Sharpening machines.....	27		13,462	
Other metal working machinery.....	12		5,983	
Machine tools.....	1		627	
Textile machinery.....	18		8,952	
Sewing machines.....	2		1,722	
Shoe machinery.....	12		6,260	
Flour and grist mill machinery.....	78		31,213	
Sugar mill machinery.....	5,696		2,278,584	
Sawmill machinery.....	24		12,020	
Woodworking machinery.....	54		21,555	
Brewers' machinery.....	2		900	
Refrigerating machinery.....	33		16,344	
Adding machines.....	5		13,563	
Typewriters.....	3		11,955	
Cream separators.....	2		10,250	
Laundry machinery.....	1		730	
Lawn mowers.....	1		338	
Printing presses.....	63		25,061	
Other machinery.....	972		388,615	
Plows and cultivators.....	1,124		281,104	
Planters.....	98		32,561	
Parts of agricultural implements.....	305		152,280	
Mowers.....	534		106,735	
Hayrakes.....	538		107,681	
Thrashers.....	55		18,489	
Cotton gins.....	293		73,305	
Other agricultural implements.....	938		234,613	
Commercial autos complete.....	64		57,366	
Commercial autos chassis.....	24		23,946	
Passenger autos complete.....	741		800,940	
Passenger autos chassis.....	2		4,025	
Parts of autos.....	9		54,352	
Station and warehouse motor trucks.....	40		16,242	
Bicycles.....	30		20,543	
Motor boats.....	5		3,500	
Cars for railways.....	64		12,827	
Parts of cars.....	62		15,518	
Wagons.....	74		15,999	
Wheelbarrows.....	190		76,006	
Other vehicles.....	121		60,636	
Miscellaneous.....	2		4,919	
Chemicals.....		4,599		\$754,977
Coal tar.....	303		17,703	
Coal tar distillates.....	159		15,914	
Baking powder.....	3		800	
Calcium carbide.....	453		39,479	
Glycerin.....	5		2,131	
Potashes.....	1		112	
Soda ash.....	488		27,809	
Silicate of soda.....	21		3,188	
Other salts of soda.....	30		5,181	
Washing powder.....	59		6,788	
Other chemicals.....	571		142,709	
Medical preparations.....	108		215,236	
Ready mixed paint.....	41		20,575	
Other paints.....	91		30,383	
Varnishes.....	1		999	
Super phosphates.....	487		8,285	
Other fertilizers.....	1,156		33,250	
Toilet or fancy soap.....	2		4,604	
Other soap.....	610		144,700	
Perfumeries.....	5		31,143	
Blacking.....	3		1,931	
Miscellaneous.....	2		2,077	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Unclassified.....		226		\$220,456
Sensitized goods.....	6		\$3,877	
Surigical and medical instruments.....	3		29,325	
Surigical appliances.....	28		28,351	
Player pianos.....	1		1,815	
Other pianos.....	5		4,091	
Organs.....	2		793	
Printers' ink.....	17		11,377	
Mutilage.....	1		767	
Mechanical toys.....	1		2,466	
Other toys.....	7		13,547	
Athletic goods.....	2		15,320	
Matches.....	3		2,009	
Brushes.....	6		6,481	
Candles.....	41		16,629	
Refrigerators.....	6		5,649	
Shoe linings.....	2		1,548	
Household and personal effects.....	6		5,911	
Miscellaneous.....	89		70,460	
Total.....		774,062		75,383,058
Total imports and exports.....		1,135,517		80,204,688

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair.....			1,089		\$81,126
Cattle.....		112		\$13,360	
Hogs.....		28		5,310	
Horses.....		14		4,050	
Chickens and eggs.....		10		6,228	
Fish.....	114			17,557	
Canned fish.....		1		231	
Oysters.....	742			29,026	
Shrimp.....	67			5,025	
Hides.....		1		339	
Vegetable food products, oilseeds, ex- pressed oils, and beverages.....			743		30,621
Corn.....		55		3,168	
Hay.....		13		260	
Beans.....		1		81	
Potatoes, Irish.....		25		2,016	
Potatoes, sweet.....		275		9,106	
Groceries.....		312		6,106	
Canned goods.....		9		2,364	
Watermelons.....	50			1,000	
Garden seed.....		3		6,520	
Other vegetable products, except fibers and wood: Naval stores.....		2,929	2,929	236,105	236,105
Textiles.....			22		24,977
Cotton.....		8		23,600	
Miscellaneous.....		14		1,307	
Wood and paper.....			91,862		1,257,390
Hardwood logs.....	12,118			154,000	
Lumber, logs, timber, shingles, and staves.....	79,554			1,103,010	
Wood.....	190			380	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE—continued.					
Nonmetallic minerals.			294, 124		\$5, 738, 434
Coal	124, 028			\$1, 234, 355	
Kerosene oil		23, 727		1, 588, 538	
Petroleum products	98, 555			2, 812, 218	
Lubricating oil and grease		11		2, 323	
Sand and gravel	46, 203			61, 000	
Cement	1, 600			40, 000	
Ores, metals, manufactures of, except ma- chinery and vehicles.			6, 379		397, 286
Iron pipe	6, 205			372, 300	
Nails		88		14, 080	
Empty drums		32		1, 055	
Hardware		3		1, 777	
Iron and steel manufactures		49		6, 526	
Miscellaneous		2		1, 548	
Machinery and vehicles.			56		42, 560
Machinery		19		11, 370	
Plows		19		7, 500	
Autos and vehicles		17		22, 840	
Bicycles and motor cycles		1		850	
Chemicals: Phosphate rock	1, 000		1, 000	25, 000	25, 000
Unclassified			4, 567		506, 591
Merchandise		4, 365		439, 887	
Household goods		145		64, 745	
Miscellaneous		57		1, 959	
Total.	370, 426	32, 345	402, 771		8, 340, 020
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair			1, 150		354, 254
Live stock		660		84, 760	
Packing-house products		442		245, 948	
Salmon		3		672	
Codfish		3		1, 040	
Sardines		2		1, 037	
Milk and cream		7		2, 040	
Boots and shoes		19		15, 957	
Hides		14		2, 800	
Vegetable food products, oilseeds, ex- pressed oils, and beverages			8, 310		790, 991
Hay and grain		3, 695		218, 922	
Flour		740		76, 485	
Meal		14		900	
Grits		16		936	
Cereals		13		3, 034	
Mixed food		1, 177		125, 565	
Rice		467		12, 040	
Fruits and vegetables		691		93, 983	
Canned goods		536		90, 833	
Cotton seed		190		4, 600	
Sugar		43		8, 600	
Groceries		612		143, 763	
Beverages		116		11, 330	
Other vegetable products, except fibers and wood			8, 353		864, 384
Rubber belting		2		2, 884	
Rosin		6, 930		563, 500	
Turpentine		1, 145		282, 000	
Dyestuff		271		15, 000	
Starch		5		1, 000	
Textiles			3, 375		406, 107
Cotton		3, 335		292, 975	
Dry goods		34		108, 235	
Rope		6		4, 897	
Wood and paper			21, 538		640, 321
Logs	550			25, 000	
Lumber	14, 091			351, 820	
Staves	3, 600			144, 000	
Crusties	3, 218			79, 415	
Sashes, doors, and blinds		12		8, 637	
Furniture		26		19, 426	
Pulpboard		25		7, 350	
Roofing		8		521	
Stationery		8		4, 152	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Nonmetallic minerals.....			65, 142		\$684, 717
Coal.....	64, 442			\$644, 420	
Kerosene oil.....		349		19, 740	
Lubricating oils and grease.....		65		9, 460	
Cement.....		200		4, 520	
Clay furnaces.....		3		295	
Crockery and glassware.....		6		4, 604	
Salt.....		77		1, 678	
Ores, metals, and manufactures, except machinery and vehicles.....			564		209, 545
Iron and steel manufactures.....		97		89, 991	
Steel rails.....	24			1, 200	
Empty drums.....		26		1, 600	
Stores.....		13		5, 731	
Tinware and hollow ware.....		396		102, 927	
Hardware.....		8		8, 096	
Machinery and vehicles.....			90		60, 700
Plows.....		33		13, 200	
Automobiles and vehicles.....		57		47, 500	
Chemicals.....			756		95, 278
Medical supplies.....		15		50, 190	
Paints and varnishes.....		6		3, 962	
Fertilizers.....		722		27, 700	
Soaps and perfumes.....		13		3, 426	
Unclassified.....			7, 649		962, 237
Household goods.....		151		127, 479	
Miscellaneous merchandise.....		7, 498		834, 758	
Total.....	85, 925	31, 002	116, 927		5, 068, 534
Total receipts and shipments.....	456, 364	63, 334	519, 698		13, 408, 554

CARGOES IN TRANSIT.

Commodities.	Amounts in short tons.	Value.
Rice.....	1, 009	\$266, 240
Sisal.....	119	26, 193
Mahogany.....	1, 645	80, 971
Coal.....	34, 584	345, 837
Coke.....	9, 788	97, 885
Monazite sand.....	11	1, 280
Nails.....	413	66, 000
Steel.....	313	19, 302
Miscellaneous.....	11	1, 282
Total.....	47, 893	913, 900

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coast-wise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	2	\$5,181	18,590	\$8,808,606	2,239	\$435,380	20,831	\$9,249,167
Vegetable food products, oilseeds, expressed oils, and beverages.....	234,697	1,846,537	78,330	9,221,510	9,053	821,612	322,080	11,889,650
Other vegetable products, except fibers and wood.....	21,074	589,655	11,747	2,485,273	11,282	1,100,489	44,103	4,175,417
Textiles.....	7,722	1,120,653	18,911	16,556,326	3,397	431,014	30,030	18,116,993
Wood and paper.....	570	26,848	327,249	13,707,654	113,400	1,897,711	441,219	15,632,213
Nonmetallic minerals..	68,383	289,995	113,790	1,950,264	359,266	6,423,151	541,439	8,663,410
Ores, metals and manufactures, except machinery and vehicles.	22,653	520,762	185,630	15,344,010	6,943	606,831	215,226	16,471,603
Machinery and vehicles.....	58	5,820	14,990	6,333,982	146	103,260	15,194	6,443,062
Chemicals.....	5,517	326,457	4,599	754,977	1,756	120,278	11,872	1,201,712
Unclassified.....	779	80,722	226	220,456	12,216	1,468,828	13,221	1,770,006
Total.....	361,455	4,821,630	774,062	75,383,058	519,698	13,408,554	1,655,215	93,613,242

Cargoes in transit, short tons, 47,893; value, \$913,990.

Vessel classification, 1920.

Classes.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered and unregistered:					
Steamers.....	12,820	194	3,014	3,005,074	90,319
Sailing vessels.....	678	182	860	280,278	.....
Small craft.....	2,652	6	2,658	684,556	34,486
Total.....	6,150	382	6,532	3,969,908	124,805

¹ Includes river and bay steamers and tugs.

² Includes launches, barges, etc.

Comparative statement of the number and draft of vessels passing up and down the dredged channel for the calendar years ending Dec. 31, 1919 and 1920.

[Compiled from the books of the harbor master at Mobile, Ala.]

Draft.	Steamships.				Schooners.				Square rigged vessels.				Total.			
	Up.		Down.		Up.		Down.		Up.		Down.		Up.		Down.	
	1919	1920	1919	1920	1919	1920	1919	1920	1919	1920	1919	1920	1919	1920	1919	1920
Less than 13 feet.....	125	135	60	64	202	269	125	78	5	12	3	332	416	190	145	
13 to 14 feet.....	86	84	55	31	12	11	33	16	6	2	3	104	97	91	48	
14 to 15 feet.....	59	68	35	43	6	12	25	26				65	80	61	69	
15 to 16 feet.....	32	48	28	47	2	3	13	33		1	1	34	52	42	80	
16 to 17 feet.....	37	51	57	46	2	9	15	27	1	1		40	61	72	73	
17 to 18 feet.....	27	40	56	47		2	4	14				27	42	60	64	
18 to 19 feet.....	34	29	27	50	3	3	6	9			3	37	32	35	60	
19 to 20 feet.....	15	19	26	37		2	2	14			1	15	21	29	54	
20 to 21 feet.....	6	15	19	35		1		6	1	1		6	17	19	41	
21 to 22 feet.....	8	13	17	23			1	1			2	9	13	18	26	
22 to 23 feet.....	10	8	26	33		1	2	3				11	9	28	36	
23 to 24 feet.....	1	11	22	20	1		2	1				2	11	24	21	
24 to 25 feet.....	3	12	26	30								3	12	26	30	
25 to 26 feet.....	16	13	6	16		1						16	14	6	16	
26 to 27 feet.....	2	10	2	10			1					2	10	3	10	
Over 27 feet.....	1											1				
Total.....	462	556	462	532	229	314	229	228	13	17	13	704	887	704	773	

CHANNEL BETWEEN MOBILE BAY AND MISSISSIPPI SOUND, ALA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912.....	88,007	\$874,918	1917.....	135,405	\$719,051
1913.....	81,076	551,591	1918.....	59,088	786,146
1914.....	51,098	423,638	1919.....	85,113	562,571
1915.....	82,744	998,947	1920.....	122,896	1,414,835
1916.....	136,482	828,155			

Only freight in transit passes over this waterway.

No statistics available showing number of passengers traveling over this waterway.

[Navigation season: Throughout calendar year.]

Freight traffic, 1920.

CARGOES IN TRANSIT.

Commodities.	Amounts in short tons.	Value.	Commodities.	Amounts in short tons.	Value.
Fish.....	58	\$2,900	Coke.....	9,788	\$97,885
Oysters.....	34	1,260	Nails.....	422	66,000
Shrimp.....	95	4,540	Steel.....	312	19,302
Groceries.....	299	59,000	Merchandise.....	20	4,000
Lumber.....	12,843	169,691	Total.....	122,896	1,414,835
Coal.....	99,025	990,257			

BLACK WARRIOR, WARRIOR AND TOMBIGBEE RIVERS, ALA.

Comparative statement of traffic.

Year.	General traffic.		Floated logs. ¹		Passengers.
	Tons.	Value.	Tons.	Value.	
1893.....	2,597	(²)	(³)	(⁴)	(⁵)
1894.....	3,400	(²)	(³)	(⁴)	(⁵)
1895.....	3,645	(²)	(³)	(⁴)	(⁵)
1896.....	4,980	(²)	(³)	(⁴)	(⁵)
1904.....	20,552	(²)	(³)	(⁴)	(⁵)
1905.....	25,791	(²)	(³)	(⁴)	(⁵)
1909.....	538,577	(²)	(³)	(⁴)	(⁵)
1910.....	639,041	(²)	(³)	(⁴)	(⁵)
1911.....	424,949	(²)	(³)	(⁴)	(⁵)
1912.....	414,414	(²)	(³)	(⁴)	(⁵)
1913.....	464,754	(²)	(³)	(⁴)	(⁵)
1914.....	361,812	\$4,696,622	(³)	(⁴)	8,438
1915.....	407,245	3,332,413	(³)	(⁴)	10,079
1916.....	376,990	4,459,890	80,119	\$208,893	3,615
1917.....	485,620	5,630,078	95,158	261,783	6,723
1918.....	583,644	5,777,532	87,761	391,443	3,429
1919.....	523,817	7,427,533	77,251	579,748	3,757
1920.....	499,204	10,035,676	100,318	501,590	2,680

¹ In addition to general traffic.

² Represents the sum of the traffic through each lock on Black Warrior River.

³ Not available.

⁴ Not available for separation from general traffic.

⁵ Includes 15,973 tons United States Government materials and supplies, valued at \$89,391.

[Navigation season, entire year for 6-foot draft.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.							
Animals and animal products, except wool and hair.			227		\$104,900	Miles.	Cents.
Live stock.		11		\$12,300		109	09.17
Packing-house products.		182		91,000		117	04.27
Pork.		4		1,600		203	02.46
Vegetable food products, oil seeds, expressed oils, and beverages.			4,972		311,635		
Corn.		1,290		51,600		126	03.04
Cotton seed.		106		7,420		116	03.04
Cottonseed hulls.		295		5,900		73	01.45
Cottonseed meal.		41		2,665		36	09.04
Flour.		390		46,800		119	04.20
Hay.		663		19,890		90	04.44
Mixed feed.		1,020		61,200		110	03.63
Molasses.		14		2,450		123	04.06
Oats.		926		55,560		101	04.08
Produce.		45		11,250		96	08.02
Rice.		17		3,400		195	02.56
Sugar.		145		43,500		138	03.63
Textiles.			306		116,480		
Cotton.		285		114,000		81	08.64
Cotton bagging.		20		2,000		131	03.81
Rope.		1		480		135	07.40
Wood and paper.			66,802		1,175,080		
Cordwood.	120			960		22	09.10
Crossties.	303			4,545		49	04.08
Logs.	24,043			120,215		31	09.45
Lumber.	41,270			1,031,750		34	05.14
Staves.	1,054			15,810		63	03.17
Wood pulp.	12			1,800		208	00.96
Nonmetallic minerals.			4,473		47,745		
Brick.	18			180		186	01.61
Cement.		264		5,390		109	03.67
Coal.	3,576			14,304		63	02.78
Oil.	76			6,090		113	05.64
Oil.		261		20,880		113	06.64
Salt.		35		700		208	01.44
Sand and gravel.	241			241		57	01.75
Ores, metals, and manufactures, except machinery and vehicles.			17,490		873,960		
Cotton ties.		13		1,400		133	08.02
Hardware.		545		272,500		101	07.92
Iron and steel, manufactured.		874		87,400		168	04.76
Iron and steel, manufactured.	1,263			126,200		130	02.31
Iron and steel, not manufactured.	6,235			249,400		374	00.47
Iron ore.	8,560			136,960		374	00.45
Chemicals: Fertilizer.		1,261	1,261	63,050	63,050	140	02.68
Unclassified.		2,512	2,542	699,050	699,050	147	06.80
Total.	86,771	11,284	98,055		3,391,900		

¹ Includes 40 tons of cordwood. Government material.² Includes 156 tons of lumber. Government material.³ Includes 11 tons of brick. Government material.⁴ Includes 4 tons of cement. Government material.⁵ Includes 3,160 tons of coal. Government material.⁶ Includes 76 tons of oil. Government material.⁷ Includes 22 tons of oil. Government material.⁸ Includes 241 tons of sand and gravel. Government material.⁹ Includes 8 tons of iron and steel, manufactured. Government material.¹⁰ Includes 12 tons of freight. Government material.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND.							
Animals and animal products, except wool and hair.			266		\$85, 200	Miles.	Cents.
Live stock.		239		\$71, 700		91	10.99
Packing-house products.		27		13, 500		131	03.82
Vegetable food products, oil seeds, expressed oils, and beverages.			503		35, 625		
Corn.		114		4, 560		111	03.45
Cotton seed.		29		2, 030		116	03.02
Cottonseed hulls.		30		600		100	03.25
Flour.		42		5, 040		89	05.62
Hay.		172		5, 160		91	05.93
Mixed feed.		93		5, 580		103	03.89
Molasses.		1		175		160	09.12
Oats.		83		4, 080		103	04.00
Produce.		24		6, 000		141	05.46
Sugar.		5		1, 500		92	05.43
Other vegetable products, except fibers and wood.			352		32, 170		
Rosin.		281		12, 645		66	30.30
Turpentine.		71		19, 525		66	11.36
Textiles.			244		97, 100		
Cotton.		242		96, 800		115	08.08
Cotton bagging.		3		300		73	06.85
Wood and paper.			264, 889		2, 615, 215		
Logs ¹¹ .	189, 298			946, 040		95	02.10
Lumber ¹² .	54, 805			1, 370, 125		116	01.52
Staves.	17, 391			260, 910		125	01.60
Crossties.	664			9, 960		34	05.88
Stave bolts.	2, 818			28, 180		20	10.00
Nonmetallic minerals.			201, 084		729, 551		
Cement.		873		17, 460		186	02.15
Coal ¹³ .	168, 358			673, 432		377	00.46
Coke.	763			3, 433		325	00.54
Oil ¹⁴ .		48		3, 840		151	04.96
Sand and gravel.	30, 870			30, 870		66	01.51
Stone ¹⁵ .	172			516		81	01.23
Ores, metals, and manufactures, except machinery and vehicles.			33, 107		3, 317, 880		
Cotton ties.		1		80		120	10.00
Hardware.		18		9, 000		115	06.85
Iron and steel, manufactured ¹⁶ .	33, 088			3, 308, 800		374	00.81
Chemicals: Fertilizer.		104	104	5, 200	5, 200	89	04.21
Unclassified ¹⁷ .		827	827	227, 425	227, 425	139	07.20
Total.	498, 140	3, 327	501, 467		7, 145, 366		
Total upbound and downbound.	584, 911	14, 611	599, 522		10, 537, 266		

¹¹ Includes 100,318 tons of floated logs and 72 tons logs. Government material.¹² Includes 270 tons of lumber. Government material.¹³ Includes 11,681 tons of coal. Government material.¹⁴ Includes 37 tons of oil. Government material.¹⁵ Includes 172 tons of stone. Government material.¹⁶ Includes 1 ton of iron and steel, manufactured. Government material.¹⁷ Includes 10 tons of freight. Government material.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	227	\$104,900	266	\$85,200	493	\$190,100
Vegetable food products, oil seeds, expressed oils, and beverages.....	4,952	311,635	593	35,625	5,545	347,260
Other vegetable products, except fibers and wood.....			352	32,170	352	32,170
Textiles.....	306	116,480	245	97,100	551	213,580
Wood and paper.....	66,802	1,175,080	264,889	2,615,215	331,691	3,790,295
Nonmetallic minerals.....	4,475	47,745	201,084	729,551	205,559	777,296
Ores, metals, and manufactures, except machinery and vehicles....	17,490	873,960	33,107	3,317,880	50,597	4,191,840
Chemicals.....	1,261	63,050	104	5,200	1,365	68,250
Unclassified.....	2,542	699,050	827	227,425	3,369	926,475
Total.....	98,055	3,391,900	501,467	7,145,366	599,522	10,537,266

Vessel classification, 1920.

Class.	Ameri- can.	Not reg- istered tonnage.	Passen- gers.
INTERNAL TRADE.			
Registered steamers.....	2,408	157,269	2,630
Unregistered:			
Barges.....	3,372	670,052	.....
Small craft.....	1,858	9,228	.....
Rafts.....	555	95,689	.....
Total.....	8,193	932,238	2,630

The limit of draft for boats at low water is 6 feet. The draft of vessels using this waterway varies from 3 to 7 feet. The bulk of freight is handled on a draft of about 6 feet.

TOMBIGBEE RIVER, MOUTH TO DEMOPOLIS.

Comparative statement of traffic.

Year.	General traffic.		Floated logs and freight in transit.		Passengers.
	Tons.	Value.	Tons.	Value.	
1898.....	1 251,689	(1)	(2)	(2)	(2)
1899.....	1 268,210	(2)	(2)	(2)	(2)
1900.....	1 360,950	(3)	(2)	(2)	(2)
1901.....	1 220,415	\$3,896,450	(2)	(2)	(2)
1902.....	1 232,984	3,644,114	(2)	(2)	(2)
1903.....	1 225,000	4,000,000	(2)	(2)	(2)
1904.....	1 250,000	4,750,000	(2)	(2)	(2)
1905.....	1 274,000	4,920,000	(2)	(2)	(2)
1906.....	1 411,932	6,700,392	(2)	(2)	(2)
1907.....	1 429,931	(1)	(2)	(2)	(2)
1908.....	1 300,081	4,529,739	(2)	(2)	(2)
1909.....	1 215,551	4,116,295	137,926	\$413,778	(2)
1910.....	1 72,780	2,754,957	109,578	219,156	(2)
1911.....	1 51,808	3,660,816	98,092	269,700	(2)
1912.....	1 76,702	3,054,205	86,409	237,624	(2)
1913.....	1 100,372	2,953,273	78,316	176,278	(2)
1914.....	1 216,927	2,525,481	83,048	186,870	4,633
1915.....	1 226,032	2,957,872	31,060	102,180	3,266
1916.....	1 265,414	3,726,463	42,274	114,280	1,750
1917.....	1 397,583	4,671,691	47,875	143,625	2,514
1918.....	1 453,483	4,467,248	64,080	320,400	1,113
1919.....	1 408,032	5,746,873	59,818	449,000	1,400
1920.....	140,226	3,362,548	298,744	4,969,875	1,356

1 Includes floated logs and freight in transit which are impracticable to separate.

2 Not available.

3 Not available for separation from general traffic.

4 Includes freight in transit which it is impracticable to separate.

Includes 81,993 tons floated logs, valued at \$125,111, and 213,746 tons cargoes in transit, value, \$4,444,765.

[Navigation season: Entire year for 6-foot draft.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By com- modities.	By classes.		
UPBOUND.							
Animals and animal products, except wool and hair.....			212		\$100,000	Miles.	Cents.
Live stock.....		30		\$9,000		147	06.80
Packing-house products.....		182		91,000		117	04.27
Vegetable food products, oilseeds, expressed oils, and beverages.....			4,350		272,330		
Corn.....		1,281		51,240		126	03.04
Cotton seed.....		94		6,580		127	02.75
Cottonseed hulls.....		178		3,560		103	03.15
Flour.....		390		46,800		119	04.20
Hay.....		569		17,070		98	04.08
Mixed feed.....		840		50,400		118	03.38
Molasses.....		14		2,450		123	04.06
Oats.....		828		49,680		107	03.85
Produce.....		45		11,250		96	08.02
Sugar.....		111		33,300		123	04.06
Textiles.....			305		116,000		
Cotton.....		285		114,000		81	08.64
Cotton bagging.....		20		2,000		131	03.81
Wood and paper.....			11,591		68,695		
Logs.....	10,527			52,635		28	07.14
Lumber.....	10			250		134	01.30
Staves.....	1,054			15,810		63	03.17
Nonmetallic minerals.....			1,375		30,520		
Cement.....		96		1,920		61	06.55
Coal ¹	970			3,880		122	01.43
Oils ²	76			6,080		113	06.64
Oils.....		233		18,640		120	06.25
Ores, metals, and manufactures, except machinery and vehicles.....			1,432		360,940		
Cotton ties.....		13		1,040		133	09.02
Hardware.....		545		272,500		101	07.92
Iron and steel, manufactured.....		874		87,400		168	04.76
Chemicals: Fertilizer.....	1,140	1,140	1,140	57,000	57,000	133	02.82
Unclassified.....	2,352	2,352	2,352	646,800	646,800	149	06.71
Total.....	12,637	10,120	22,757		1,652,285		
DOWNBOUND.							
Animals and animal products, except wool and hair.....			266		85,200		
Live stock.....		239		71,700		91	10.99
Packing-house products.....		27		13,500		131	03.82
Vegetable food products, oilseeds, expressed oils, and beverages.....			550		33,725		
Corn.....		113		4,520		111	03.45
Cotton seed.....		29		2,030		116	03.02
Cottonseed hulls.....		30		600		100	03.25
Flour.....		42		5,040		89	05.62
Hay.....		150		4,500		95	05.66
Mixed feed.....		81		4,860		107	03.74
Molasses.....		1		175		160	03.12
Oats.....		75		4,500		111	08.71
Produce.....		24		6,000		141	06.46
Sugar.....		5		1,500		92	05.45

¹ Includes 555 tons of coal.² Includes 76 tons of oil.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND—continued.							
Other vegetable products, except fiber and wood			352		\$32,170	Miles	Cents.
Rosin		281		\$12,645		66	30.80
Turpentine		71		19,525		66	11.36
Textiles			245		97,100		
Cotton		242		96,800		115	06.08
Cotton bagging		3		300		73	06.85
Wood and paper			167,363		1,621,955		
Logs ¹	121,284			608,420		132	01.51
Lumber	32,435			810,875		121	01.44
Staves	13,644			204,660		135	01.48
Nonmetallic minerals			32,809		42,198		
Coal ²	1,892			7,568		308	00.57
Oils ³		47		3,760		151	04.96
Sand and gravel	30,870			30,870		66	01.51
Ores, metals, and manufactures, except machinery and vehicles			19		9,080		
Cotton ties		1		80		120	10.00
Hardware		18		9,000		115	06.95
Chemicals: Fertilizer		104	104	5,200	5,200	89	04.21
Unclassified		759	759	208,725	208,725	147	06.80
Total	200,125	2,342	202,467		2,135,353		
Total upbound and downbound	212,762	12,462	225,224		3,787,638		

¹ Includes 84,998 tons of floated logs.² All Government material.³ Includes 36 tons of Government material.

FREIGHT IN TRANSIT.

Commodities.	Amount in short tons.	Value.
Cement.....	873	\$17,460
Coal.....	155,409	621,636
Coke.....	763	3,434
Iron ore.....	10,160	162,560
Iron and steel, manufactured.....	33,088	3,308,800
Lumber.....	11,410	285,250
Staves.....	1,443	21,615
Steel billets.....	600	24,000
Total.....	213,746	4,444,785

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	212	\$100,000	266	\$85,200	478	\$185,200
Vegetable food products, oilseeds, expressed oils, and beverages.....	4,350	272,330	550	33,725	4,900	306,055
Other vegetable products, except fibers and wood.....			352	32,170	352	32,170
Textiles.....	305	116,000	245	97,100	550	213,100
Wood and paper.....	11,591	68,695	167,363	1,621,955	178,954	1,690,650
Nonmetallic minerals.....	1,375	30,520	32,809	42,198	34,184	72,718
Ores, metals, and manufactures, except machinery and vehicles.....	1,432	360,940	19	9,080	1,451	370,020
Chemicals.....	1,140	57,000	104	5,200	1,244	62,200
Unclassified.....	2,352	646,800	759	208,725	3,111	855,525
Total.....	22,757	1,652,285	202,467	2,135,353	225,224	3,787,638

Cargoes in transit, short tons, 213,746; value, \$4,444,785.

Vessel classification, 1920.

Class.	Ameri- can.	Net regis- tered tonnage.	Passen- gers.
INTERNAL TRADE.			
Registered steamers.....	988	68,800	1,356
Unregistered:			
Barges.....	1,404	522,449	
Small craft.....	1,066	7,582	
Rafts.....	431	80,828	
Total.....	3,889	679,749	1,356

The limit of draft for boats at low water is 6 feet. The draft of vessels using this waterway varies from 3 to 7 feet. The bulk of freight is handled on a draft of about 6 feet.

TOMBIGBEE RIVER, FROM DEMOPOLIS, ALA., to WALKERS BRIDGE, MISS.*Comparative statement of traffic.*

Year.	General traffic.		Floated logs.	
	Tons.	Value.	Tons.	Value.
1912.....	43,173	\$698,135	(1)	(1)
1913.....	64,523	876,672	(1)	(1)
1914.....	29,096	495,140	(1)	(1)
1915.....	34,233	461,752	(1)	(1)
1916.....	70,856	290,293	(1)	(1)
1917.....	42,552	292,900	(1)	(1)
1918.....	28,349	261,128	(1)	(1)
1919.....	9,097	109,506	(1)	(1)
1920.....	6,687	107,503	3,762	\$18,810

¹ Not available for separation from general traffic.

Navigation season: Navigable at high water and for a 3-foot draft at low water for a distance of 15 miles above Demopolis.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND.						
Vegetable food products, oilseeds, expressed oils, and beverages.			26		\$1,070	Miles.
Cottonseed hulls.		10		\$200		47
Flour.		3		360		61
Hay.		5		150		59
Oats.		2		120		59
Corn.		6		240		62
Nonmetallic minerals.			46		360	
Brick.	14			140		24
Cement.		1		20		59
Coal.	30			120		59
Oil.		1		80		62
Ores, metals and manufactures, except machinery and vehicles: Hardware.		2	2	1,000	1,000	59
Unclassified.		158	158	43,450	43,450	53
Total.	44	188	232		45,880	
DOWNBOUND.						
Animals and animal products, except wool and hair: Live stock.		5	5	1,500	1,500	60
Textiles: Cotton.	10		10	4,000	4,000	62
Wood and paper.			10,200		74,383	
Cord wood.	76			608		62
Crostities.	7			105		62
Logs.	7,315			36,575		64
Lumber.	124			3,100		62
Staves.	1,443			21,645		60
Stave bolts.	1,235			12,350		45
Unclassified.		2	2	550	550	63
Total.	10,210	7	10,217		80,433	
Total upbound and down bound.	10,254	195	10,449		126,313	

¹ Includes 3,762 tons of floated logs, value \$18,810.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			5	\$1,500	5	\$1,500
Vegetable food products, oilseeds, expressed oils, and beverages.....	26	\$1,070			26	1,070
Textiles.....			10	4,000	10	4,000
Wood and paper.....			10,200	74,383	10,200	74,383
Nonmetallic minerals.....	46	360			46	360
Ores, metals, and manufactures, except machinery and vehicles.....	2	1,000			2	1,000
Unclassified.....	158	43,450	2	550	160	44,000
Total.....	232	45,880	10,217	80,433	10,449	126,313

Vessel classification, 1920.

It is impracticable to obtain vessel classification for this portion of the river.

OPERATING AND CARE OF LOCKS AND DAMS, BLACK WARRIOR AND
TOMBIGBEE RIVERS, ALA.

Commercial statistics.—Same as for Black Warrior, Warrior, and Tombigbee Rivers, Ala. See page 779.

PASCAGOULA HARBOR, MISS.

Comparative statement of traffic.

Year. ¹	Total.		In transit.	
	Short tons.	Value.	Short tons.	Value.
1901.....	430,000	\$1,548,462	.....	.....
1902.....	401,000	1,242,000	.....	.....
1903.....	421,000	1,311,000	.....	.....
1904.....	431,125	1,329,000	.....	.....
1905.....	458,000	1,423,000	.....	.....
1906.....	296,065	1,980,000	.....	.....
1907.....	450,077	2,355,000	.....	.....
1908.....	1,184,669	7,216,460	.....	.....
1909.....	991,055	6,997,160	.....	.....
1910.....	769,179	5,627,078	.....	.....
1911.....	972,044	6,560,380	.....	.....
1912.....	787,823	7,426,500	.....	.....
1913.....	1,020,038	7,064,738	.....	.....
1914.....	604,669	4,557,484	.....	.....
1915.....	102,551	910,570	.....	.....
1916.....	204,002	2,051,114	.....	.....
1917.....	199,817	2,047,005	.....	.....
1918.....	269,422	5,075,949	.....	.....
1919 ²	126,063	2,402,858	6,728	\$92,555
1920 ³	280,513	3,016,562	19,834	365,049

¹ The total number of tons and the total value include floated logs and freight in transit (no ferry traffic), but the amounts of such traffic were not available for separation prior to 1919.

² The total tons and total value include floated logs, but not freight in transit. The amounts of cargo and logs were not available for separation.

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper.....	.....	34,216	.....	\$380,459
Lumber and timber.....	34,216	.....	\$380,459	.....
Total.....	.....	34,216	.....	880,459

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair.....			43, 750		\$700, 000
Fish.....	40, 000			\$600, 000	
Oysters.....	3, 750			100, 000	
Wood and paper.....			176, 385		1, 038, 103
Cross-ties.....	6, 000			100, 000	
Cypress logs.....	5, 000			40, 000	
Hardwood logs.....	10, 000			120, 000	
Manufactured lumber.....	2, 235			45, 303	
Piling.....	15, 000			40, 000	
Pine saw logs.....	105, 000			630, 000	
Pulp wood.....	8, 418			56, 000	
Slabs.....	24, 702			6, 800	
Nonmetallic minerals: Fuel oil.....	19, 581		19, 581	117, 000	117, 000
Unclassified: Miscellaneous merchandise.....		1, 500	1, 500	150, 000	150, 000
Total.....	239, 716	1, 500	241, 216		2, 005, 103
SHIPMENTS, COASTWISE.					
Wood and paper: Lumber, timber, cross- ties, etc.....	4, 528		4, 528	125, 000	125, 000
Nonmetallic minerals.....			553		6, 000
Charcoal.....		450		4, 500	
Sewer pipe.....	103			1, 500	
Total.....	4, 631	450	5, 081		131, 000
Total receipts and shipments.....	244, 347	1, 950	246, 297		2, 136, 103

CARGOES IN TRANSIT.

Commodities.	Amounts in short tons.	Value.
Lumber and timber.....	19, 834	\$365, 049

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			43, 750	\$700, 000	43, 750	\$700, 000
Wood and paper.....	34, 216	\$80, 459	180, 913	1, 163, 103	215, 129	2, 043, 562
Nonmetallic minerals.....			20, 134	123, 000	20, 134	123, 000
Unclassified.....			1, 500	150, 000	1, 500	150, 000
Total.....	34, 216	\$80, 459	246, 297	2, 136, 103	280, 513	3, 016, 562

Cargoes in transit: Short tons, 19,834; value, \$365,049.

Vessel classification, 1920.

Classification.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Steamers.....	1 16	2	18	19, 256
Sailing vessels.....	66	26	92	40, 992
Small craft.....	292		292	52, 760
Total.....	374	28	402	113, 008

1 Includes tugs.

2 Includes launches, barges, etc.

GULFPORT HARBOR AND SHIP ISLAND PASS, MISS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1901.....	87,700	\$877,900	1911.....	1,027,302	\$14,456,065
1902.....	28,242	306,910	1912.....	634,901	9,538,295
1903.....	176,000	1,665,900	1913.....	611,982	7,497,219
1904.....	445,300	3,731,400	1914.....	442,250	4,572,480
1905.....	460,994	4,411,121	1915.....	490,079	5,470,303
1906.....	743,992	9,374,965	1916.....	396,152	4,346,576
1907.....	670,606	6,969,900	1917.....	345,988	4,608,199
1908.....	473,327	5,684,500	1918.....	179,924	3,595,180
1909.....	550,260	6,622,889	1919.....	302,123	6,273,070
1910.....	648,699	8,232,676	1920.....	251,108	6,788,328

The total tons and total value include floated logs and freight in transit (no ferry traffic), if there was any such traffic, but there was very little, if any, traffic of this class and no amounts are available for separation. There were no floated logs, freight in transit, or ferry traffic for 1920. No information available showing number of passengers, but there were very few, if any, passengers for these years.

[Navigation season, entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products, except fibers and wood.....		896		\$12,502
Bananas.....	896		\$12,502	
Wood and paper.....		690		29,691
Mahogany.....	690		29,691	
Nonmetallic minerals.....		1,975		21,908
Asphalt.....	1,975		21,908	
Total.....		3,561		64,101
EXPORTS.				
Other vegetable products, except fibers and wood.....		28		2,435
Rosin.....	28		2,435	
Wood and paper.....		231,979		6,077,042
Lumber and timber.....	231,979		6,077,042	
Nonmetallic minerals.....		6,045		58,471
Coal.....	6,045		58,471	
Ores, metals, and manufactures, except machinery and vehicles.....		2,289		225,056
Iron and steel.....	2,289		225,056	
Chemicals: Acid phosphate.....	1,474	1,474	28,015	28,015
Total.....		241,815		6,391,019
Total imports and exports.....		245,376		6,455,120

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair.....			226		\$13,057
Fish.....	62			\$6,250	
Oysters, in shell.....	140			4,992	
Other shell fish.....	24			1,815	
Vegetable food products: Groceries.....		95	95	21,065	21,065
Wood and paper: Piling.....	1,800		1,800	14,000	14,000
Total.....	2,026	95	2,121		48,122
SHIPMENTS, COASTWISE.					
Vegetable food products: Groceries and grain.....		2,008	2,008	180,300	180,300
Other vegetable products, except fibers and wood.....			301		76,162
Rosin.....		257		55,110	
Spirits of turpentine.....		44		21,052	
Wood and paper.....			1,253		27,300
Piling.....	600			11,061	
Lumber.....	555			11,880	
Staves.....	98			4,339	
Chemicals: Fertilizer.....		49	49	1,234	1,234
Total.....	1,253	2,358	3,611		285,086
Total receipts and shipments.....	3,279	2,453	5,732		333,208

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coast- wise.		Total.	
	Imports.		Exports.		Tons.	Value.	Tons.	Value.
	Tons.	Value.	Tons.	Value.				
Animals and animal products, except wool and hair.....					226	\$13,057	226	\$13,057
Vegetable food products.....					2,103	201,455	2,103	201,455
Other vegetable products, except fibers and wood.....	896	\$12,502	28	\$2,435	301	76,162	1,225	91,009
Wood and paper.....	680	29,691	231,979	6,077,042	3,053	41,300	235,722	6,148,033
Nonmetallic minerals.....	1,975	21,908	6,045	58,471			8,020	80,379
Ores, metals, and manufactures, except machinery and vehicles.....			2,289	225,056			2,289	225,056
Chemicals.....			1,474	28,015	49	1,234	1,523	29,249
Total.....	3,561	64,101	241,815	6,391,019	5,732	333,208	251,108	6,788,328

Vessel classification, 1920.

Classification.	Entrances and clearances.			Net reg- istered tonnage.
	American.	Foreign.	Total.	
Steamers.....	¹ 416	36	452	293,541
Sailing vessels.....	116	70	186	88,300
Smallcraft.....	² 662		662	53,456
Total.....	1,194	106	1,300	435,367

¹ Includes tugs.² Includes launches, barges, etc.

BILOXI HARBOR, MISS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1889.....	70, 115	(¹)	1911.....	84, 167	\$795, 100
1890.....	129, 820	(¹)	1912.....	82, 167	775, 100
1891.....	114, 776	(¹)	1913.....	84, 453	1, 255, 570
1892.....	172, 163	(¹)	1914.....	91, 088	1, 336, 722
1902.....	45, 700	\$1, 391, 400	1915.....	54, 512	573, 917
1903.....	218, 000	1, 937, 336	1916.....	55, 660	474, 300
1904.....	254, 400	2, 535, 555	1917.....	40, 617	488, 390
1906.....	77, 414	2, 483, 500	1918.....	27, 212	562, 948
1907.....	271, 580	2, 667, 050	1919.....	13, 317	174, 104
1908.....	217, 550	2, 301, 150	1920.....	21, 307	196, 594

¹ No statistics available.

The total tons and total value include floated logs, but the amounts of such traffic were not available for separation. No statistics available for passenger traffic.

[Navigation season, entire calendar year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair.....			2, 518		\$143, 921
Oysters in shell.....	2, 024			\$70, 182	
Shrimp, canned.....		151		48, 800	
Shrimp, raw.....	343			24, 939	
Wood and paper: Lumber.....	204		204	7, 263	7, 263
Nonmetallic minerals: Brick.....	358		358	3, 146	3, 146
Total.....	2, 929	151	3, 080		154, 330
SHIPMENTS, COASTWISE.					
Wood and paper: Lumber.....	17, 882		17, 882	29, 174	29, 174
Nonmetallic minerals: Salt.....		70	70	840	840
Unclassified.....			275		12, 250
Ice.....	225			2, 250	
Miscellaneous.....		50		10, 000	
Total.....	18, 107	120	18, 227		42, 264
Total receipts and shipments.....	21, 036	271	21, 307		196, 594

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	2, 518	\$143, 921
Wood and paper.....	18, 086	36, 437
Nonmetallic minerals.....	428	3, 986
Unclassified.....	275	12, 250
Total.....	21, 307	196, 594

PASCAGOULA RIVER, MISS.

Comparative statement of traffic.

Year.	General traffic.		Floated logs. ¹	
	Tons.	Value.	Tons.	Value.
1902.....	120,550	.....	.....	.....
1903.....	135,250	\$1,087,500	.....	.....
1904.....	190,250	1,194,500	.....	.....
1905.....	211,500	1,396,500	.....	.....
1906.....	260,100	3,323,600	.....	.....
1907.....	290,327	1,807,500	.....	.....
1909.....	231,877	1,440,500	.....	.....
1910.....	231,612	1,400,000	.....	.....
1911.....	301,338	1,488,500	.....	.....
1912.....	233,064	1,498,500	.....	.....
1913.....	626,956	3,939,500	.....	.....
1914.....	308,174	2,314,725	.....	.....
1915.....	123,090	601,050	.....	.....
1916.....	468,428	1,371,916	.....	.....
1917.....	230,641	1,431,770	.....	.....
1918.....	274,112	1,540,991	.....	.....
1919.....	41,718	815,643	.....	.....
1920.....	107,890	793,730	36,899	\$210,495

¹ Not available for separation from general traffic prior to 1920.

[Navigation season: Entire year for a 7-foot draft over the lower 32 miles, above that point for 3-foot draft only.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
UPBOUND.						
Unclassified.....		15	15	\$4,125	\$4,125	Miles. 20
DOWNBOUND.						
Wood and paper.....			144,474		1,000,120	
Logs, pine ¹	118,124			590,620		25
Logs, oak and gum.....	10,000			120,000		25
Logs, cypress ²	4,500			40,000		25
Pine piling.....	1,125			20,000		25
Railroad ties ³	9,000			135,000		25
Pulp board.....	600			90,000		25
Charcoal.....	1,125			4,500		25
Total.....	144,474		144,474		1,000,120	
Total upbound and down- bound.....	144,474	15	144,489		1,004,245	

¹ Includes 33,749 tons of floated timber.² Includes 900 tons of floated timber.³ Includes 2,250 tons of floated timber.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	.....	.....	144,474	\$1,000,120	144,474	\$1,000,120
Unclassified.....	15	\$4,125	.....	.....	15	4,125
Total.....	15	4,125	144,474	1,000,120	144,489	1,004,245

Vessel classification, 1920.

It is impracticable to obtain vessel classification for this portion of the river.

WOLF AND JORDAN RIVERS.

Comparative statement of traffic.

Year.	Short tons.	Value.	Year	Short tons.	Value.
1907.....	55,389	\$931,412	1915.....	36,656	\$1,065,605
1909.....	52,788	864,649	1916.....	56,495	1,186,186
1910.....	108,366	1,733,047	1917.....	45,746	966,716
1911.....	50,742	1,049,300	1918.....	24,851	543,759
1912.....	38,465	915,271	1919.....	14,372	317,714
1913.....	127,547	2,618,623	1920.....	1,761	56,440
1914.....	36,577	1,018,462			

The total tons and total value include floated logs, but the amounts of such traffic not available for separation. No statistics available showing the number of passengers.

[Navigation season: Throughout calendar year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products, oilseeds, ex- pressed oils, and beverages: Feed.....		5	5	\$250	\$250
Chemicals: Fertilizer.....		4	4	200	200
Unclassified: Merchandise.....		30	30	30,000	30,000
Total.....		39	39		30,450
SHIPMENTS, COASTWISE.					
Wood and paper.....			1,722		25,990
Cordwood.....	138			250	
Lumber.....	1,584			25,740	
Total.....	1,722		1,722		25,990
Total receipts and shipments.....	1,722	39	1,761		56,440

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products, oilseeds, expressed oils, and beverages.....	5	\$250
Wood and paper.....	1,722	25,990
Chemicals.....	4	200
Unclassified.....	30	30,000
Total.....	1,761	56,440

EAST PEARL RIVER, MISS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1909.....	13,150	\$126,888	1915.....	85,162	\$706,775
1910.....	82,546	722,637	1916.....	68,751	460,130
1911.....	121,856	1,214,112	1917.....	55,423	810,709
1912.....	81,072	927,825	1918.....	77,954	1,080,417
1913.....	91,925	1,068,552	1919.....	75,075	1,349,565
1914.....	113,059	1,106,845	1920.....	51,191	1,282,414

The total number of tons and total value include floated logs, but the amounts of such traffic were not available for separation. The number of passengers not available, but there were very few, if any.

[Navigation season, throughout calendar year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair: Packing-house products.....		60	60	\$30,000	\$30,000
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			703		59,228
Corn.....		3		244	
Flour.....		180		22,500	
Hay.....	50			1,750	
Mixed feed.....		90		4,500	
Molasses.....		2		333	
Oats.....		100		4,000	
Oils.....		225		16,071	
Produce.....		18		1,080	
Sugar.....		35		8,750	
Nonmetallic minerals: Cement.....		6	6	108	108
Ores, metals, and manufactures, except machinery and vehicles.....			203		49,000
Hardware.....		28		14,000	
Steel and iron.....	175			35,000	
Chemicals: Fertilizer.....		16	16	640	640
Total.....	225	763	988		138,976
SHIPMENTS, COASTWISE.					
Wood and paper: Lumber.....	50,066		50,066	1,113,438	1,113,438
Unclassified: Miscellaneous packages.....		137	137	30,000	30,000
Total.....	50,066	137	50,203		1,143,438
Total receipts and shipments.....	50,291	900	51,191		1,282,414

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	60	\$30,000	Ores, metals, and manufactures, except machinery and vehicles.....	203	\$49,000
Vegetable food products, oil seeds, expressed oils, and beverages.....	703	59,228	Chemicals.....	16	640
Wood and paper.....	50,066	1,113,438	Unclassified.....	137	30,000
Nonmetallic minerals.....	6	108	Total.....	51,191	1,282,414

PEARL RIVER, BELOW ROCKPORT, MISS.

Comparative statement of traffic.

Calendar year.	Tons.	Value.	Calendar year.	Tons.	Value.
1903.....	202,500	\$600,000	1911.....	(1)	(1)
1904.....	(1)	(1)	1912.....	191,173	1,096,335
1905.....	28,392	205,500	1913.....	115,581	685,337
1906.....	63,420	990,396	1914.....	111,497	427,688
1907.....	40,887	422,247	1915.....	30,650	155,048
1908.....	21,744	239,696	1916.....	21,588	95,446
1909.....	28,054	284,680	1917.....	33,897	105,532
1910.....	76,878	705,763	1918.....	28,353	438,170

¹ Not available.

The number of tons and value include floated logs and freight, but the amounts were not available for separation from general traffic. No traffic in 1919 and 1920.

REMOVING WATER HYACINTHS, MOBILE RIVER, ALA., TRIBUTARIES.

Comparative statement of traffic.

Tributary.	Year.	General traffic.		Floated logs.	
		Tons.	Value.	Tons.	Value.
Bayou Sara.....	1919	1,000	\$9,000	(1)	(1)
	1920			2,256	\$22,831
One Mile Creek.....	1919	35,114	414,447	(1)	(1)
	1920	14,810	267,381	1,875	22,625
Three Mile Creek.....	1919	6,749	70,318	(1)	(1)
	1920	26,161	382,977	(1)	(1)
Chickasaw Creek.....	1919	145,859	955,682	(1)	(1)
	1920	103,441	880,923	(1)	(1)

¹ Impracticable to separate.

BAYOU SARA, ALA.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, LOCAL.					
Wood and paper: Logs, floated.....	2,256	.....	2,256	\$22,831	\$22,831

ONE MILE CREEK, ALA.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, LOCAL.					
Other vegetable products, except fibers and wood: Naval stores.....		1,983	1,983	\$19,830	\$19,830
Wood and paper: Logs ¹	14,232		14,232	176,176	176,176
Total.....	14,232	1,983	16,215		196,006
SHIPMENTS, LOCAL.					
Unclassified: Miscellaneous merchandise.....		470	470	94,000	94,000
Total receipts and shipments.....	14,232	2,453	16,685		290,006

¹ Of this commodity 1,875 tons were floated.

THREE MILE CREEK, ALA.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities (bulk).	By classes.	By com- modities.	By classes.
RECEIPTS, LOCAL.				
Wood and paper: Logs, lumber and timber.....	26,161	26,161	\$382,977	\$382,977

CHICKASAW CREEK, ALA.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities (bulk).	By classes.	By com- modities.	By classes.
RECEIPTS, LOCAL.				
Wood and paper: Logs.....	99,448	99,448	\$796,584	\$796,584
SHIPMENTS, LOCAL.				
Wood and paper: Lumber.....	3,993	3,993	85,339	85,339
Total receipts and shipments	103,441	103,441		880,923

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Other vegetable products, except fibers and wood.....	1,983	\$19,830
Wood and paper.....	146,090	1,462,907
Unclassified.....	470	94,000
Total.....	148,543	1,576,737

NEW ORLEANS, LA., DISTRICT.

PORT OF NEW ORLEANS, LA.

Comparative statement of traffic.

Year.	Tons.	Value.	Cargoes in transit.		Passengers.
			Tons.	Value.	
1892.....	3,542,599	\$152,721,614	(1)	(1)	(1)
1893.....	2,962,798	109,708,073	(1)	(1)	(1)
1894.....	2,074,118	102,514,210	(1)	(1)	(1)
1895.....	3,142,002	82,324,199	(1)	(1)	(1)
1896.....	2,140,396	95,962,965	(1)	(1)	(1)
1897.....	3,774,688	116,304,668	(1)	(1)	(1)
1898.....	4,236,663	119,662,010	(1)	(1)	(1)
1899.....	3,176,740	122,676,212	(1)	(1)	(1)
1900.....	2,773,645	162,374,314	(1)	(1)	(1)
1901.....	4,213,869	255,525,738	(1)	(1)	(1)
1902.....	3,385,686	217,887,867	(1)	(1)	(1)
1903.....	3,062,506	220,939,266	(1)	(1)	(1)
1904.....	2,853,336	220,712,403	(1)	(1)	(1)
1905.....	3,478,776	227,706,950	(1)	(1)	(1)
1906.....	4,036,594	267,075,670	(1)	(1)	(1)
1907.....	3,527,997	259,032,495	(1)	(1)	(1)
1908.....	3,088,472	(1)	(1)	(1)	(1)
1909.....	3,368,722	(1)	(1)	(1)	(1)
1910.....	3,964,109	(1)	(1)	(1)	(1)
1911.....	4,487,726	263,361,681	(1)	(1)	(1)
1912.....	5,059,330	299,450,727	(1)	(1)	(1)
1913.....	6,442,332	315,082,532	(1)	(1)	(1)
1914.....	6,273,012	311,557,861	(1)	(1)	(1)
1915.....	6,536,132	368,825,630	(1)	(1)	(1)
1916.....	7,300,332	416,610,425	(1)	(1)	41,346
1917.....	8,014,543	548,843,762	5,870	534,138	22,157
1918.....	9,087,664	665,579,937	8,331	1,142,123	8,380
1919.....	8,895,681	875,237,656	153,546	30,602,860	8,367
1920.....	10,513,563	1,066,634,876	589,334	94,324,792	(1)

¹ No statistics available.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		25,436		\$930,492
Bones, hoofs, horns, etc.....	24,315		\$706,198	
Fish, all kinds.....	1,121		224,294	
Vegetable food products, oil seeds, expressed oils, and beverages.....		1,665,106		220,542,682
Bananas.....	549,728		8,795,652	
Cocoa, crude.....	6,654		192,873	
Coffee.....	140,396		70,734,787	
Coconuts.....	6,341		551,288	
Fruits and nuts, not otherwise shown.....	9,551		764,094	
Molasses.....	401,688		2,004,796	
Oil cake.....	5,594		177,939	
Rice.....	1,626		340,702	
Sugar.....	540,438		136,209,296	
Vegetables of all kinds.....	3,089		772,255	
Other vegetable products, except fibers and wood.....		1,101		536,123
Rubber, crude.....	260		262,488	
Seed, all kinds.....	841		273,635	
Textiles.....		145,405		28,673,615
Bagging, cotton.....	5,606		336,361	
Burlap.....	32,676		8,503,054	
Cotton, manufactures of.....	1,942		522,796	
Fibers, manufactures of.....	1,481		370,392	
Matting.....	449		219,814	
Sisal.....	103,251		18,921,198	
Wood and paper.....		43,241		2,215,566
Paper stock.....	5,837		345,358	
Wood, mahogany.....	37,404		1,870,208	
Nonmetallic minerals.....		2,245,838		8,894,385
Earthen and china ware.....	923		115,508	
Oil, creosote.....	31,564		1,585,360	
Oil, mineral.....	2,213,351		7,193,517	
Ores, metals, and manufactures, except machinery and vehicles.....		10,704		1,375,840
Ferromanganese.....	7,600		1,065,400	
Iron and steel, manufactures of.....	3,104		310,440	
Chemicals.....		169,182		7,675,596
Chemicals, drugs, etc.....	230		230,384	
Fertilizers.....	24,067		701,872	
Nitrate of soda.....	144,885		6,743,340	
Unclassified.....		16,642		3,028,708
American goods returned.....	3,828		765,627	
Miscellaneous.....	12,814		2,263,079	
Total.....		4,222,654		274,073,006
EXPORTS.				
Animal and animal products, except wool and hair.....		99,294		26,370,799
All animals.....	1,853		740,130	
Bacon, ham, and shoulders.....	2,805		1,783,302	
Dairy products.....	6,051		1,260,790	
Eggs.....	848		423,951	
Fish and fish products.....	9,184		1,536,900	
Lard and lard compounds.....	15,394		9,236,980	
Meats, fresh and canned.....	5,454		1,636,392	
Paraffin, refined and unrefined.....	35,039		4,954,579	
Shoes.....	4,902		3,431,600	
All other manufactures of leather.....	17,764		1,065,965	
Vegetable, food products, oil seeds, expressed oils, and beverages.....		742,946		206,343,335
Barley.....	142,932		9,468,009	
Beans, peas and onions.....	5,842		1,435,657	
Bread, biscuits.....	996		310,850	
All other bread stuff.....	31,481		1,259,270	
Bran and middlings.....	5,267		252,747	
Corn.....	29,218		1,607,560	
Cottonseed cake and meal.....	24,464		1,590,204	
Flour, wheat.....	158,482		19,241,496	
Fruits, fresh and canned, all kinds.....	17,798		1,423,853	
Glucose.....	1,944		231,333	
Malt.....	94		305,278	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
EXPORTS—continued.				
Vegetable, food products, oil seeds, expressed oils, and beverages—Continued.				
Malt, liquors, wines, beverages, alcohol, etc.	8,342		\$6,256,743	
Oats	13,606		885,689	
Potatoes and other vegetables, fresh and canned	14,678		1,100,553	
Rice	84,936		14,912,418	
Rye	2,666		391,038	
Sugar	53,053		10,116,309	
Wheat	147,155		137,254,326	
Other vegetable products, except fibers and wood		132,188		\$29,885,186
Rubber, manufactures of	1,639		1,386,255	
Rosin, tar, and pitch	71,438		5,267,063	
Starch	1,534		200,805	
Tobacco, all kinds	57,577		23,031,062	
Textiles		369,624		261,340,042
Cotton	322,216		248,884,897	
Cotton, manufactures of	40,597		10,758,255	
Fibers, manufactures of	6,811		1,702,890	
Wood and paper		944,549		31,159,176
Furniture, wood and metal	6,186		1,237,248	
Logs, lumber, boards, etc.	750,994		18,374,858	
Paper and manufactures of	25,582		1,279,134	
Staves	152,996		8,299,639	
Wood, manufactures of	8,791		1,578,297	
Nonmetallic minerals		2,214,471		81,679,099
Asphalt, manufactures of	2,379		159,519	
Brick	9,042		235,201	
Cement, hydraulic	8,059		203,606	
Coal and coke	51,297		450,952	
Earthen and chinaware	1,242		155,309	
Glass and glassware	3,336		1,000,952	
Oil, fuel	1,005,660		12,583,245	
Oil, refined	417,714		25,062,882	
Oil, gasoline, and other naphtha	688,183		41,289,814	
Salt	20,182		372,154	
Sulphur	6,397		165,463	
Ores, metals, and manufactures, except machinery and vehicles		332,800		37,441,781
All manufactures of iron and steel	272,234		27,223,482	
Other metal products	1,322		396,693	
Brass and copper, manufactures of	192		329,427	
Tools, miscellaneous	17,006		1,700,614	
Wire, manufactures of	35,292		3,529,299	
Zinc, lead bars, spelter, etc.	6,754		4,262,266	
Machinery and vehicles		87,854		15,321,811
Agricultural implements	27,815		2,036,092	
Automobiles, passenger and commercial	2,072		2,436,093	
All other vehicles and parts of	7,032		562,583	
Machinery, machines, motors, etc.	50,935		10,187,033	
Chemicals		39,673		8,851,259
Chemicals, drugs, dyes, etc.	1,972		1,972,099	
Fertilizers	2,909		253,089	
Paints, pigments, etc.	1,507		3,297,542	
Soap, soap stock, and other greases	33,485		3,345,559	
Unclassified: Miscellaneous	31,200	31,200	6,240,387	6,240,387
Total		4,994,599		706,638,864
Total imports and exports		9,317,253		980,711,869

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			73,745		\$12,391,990
Canned fruit and vegetables.....		9,923		\$2,430,750	
Cereals.....		285		17,100	
Coffee.....		947		378,800	
Fruits and nuts.....		1,188		95,040	
Sugar.....		60,748		9,112,200	
Sirup, glucose, and molasses.....		340		25,500	
Wines, liquors, and beverages, etc.....		314		282,800	
Other vegetable products, except fibers and wood.....			133		22,000
Tar, pitch, rosin, and turpentine.....		101		10,100	
Tobacco and cigars.....		32		12,800	
Textiles.....			7,604		741,810
Bags and bagging.....		6,101		366,080	
Cordage, rope, and twine.....		1,503		375,750	
Wood and paper.....			6,555		322,600
Lumber.....	206			5,150	
Paper, manufactures of.....		6,349		317,450	
Nonmetallic minerals.....			127,422		5,777,942
Cement and articles of.....		2,473		24,730	
Fuller's earth.....		7,599		113,985	
Stone, granite, marble, etc.....	978			244,500	
Sulphur.....	413			24,780	
Oil, fuel.....	33,423			417,787	
Oil, refined.....	82,536			4,952,160	
Ores, metals, and manufactures, except machinery and vehicles.....			8,408		961,500
Brass, copper, lead, zinc, etc.....		369		147,800	
Iron and steel, manufactures of.....		8,039		808,900	
Machinery and vehicles.....			1,554		294,550
Agricultural implements.....		130		9,750	
Machinery.....		1,424		284,800	
Chemicals.....			47,902		2,260,018
Ammunition.....		755		226,500	
Chemicals.....		810		810,000	
Paints.....		1,633		408,250	
Phosphate rock.....		38,778		232,698	
Soap and soap powder.....		5,826		582,600	
Unclassified: Miscellaneous.....		49,337	49,337	14,801,100	14,801,100
Total.....	117,556	206,004	322,560		37,564,410
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair.....			732		261,120
Hides and leather.....		262		15,120	
Packing house products.....		490		216,000	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			157,068		20,088,025
Beans and other vegetables.....		4,947		371,025	
Canned goods, preserves, and pickles.....		796		190,000	
Cereals.....		2,877		172,620	
Coffee.....		1,373		549,200	
Fruits and nuts.....		679		54,320	
Grain and products.....		83,721		5,023,260	
Rice.....		39,946		5,991,900	
Sugar.....		5,055		758,250	
Sirup, glucose, and molasses.....		10,858		814,350	
Wines, liquors, beverages, etc.....		6,816		6,134,100	
Other vegetable products, except fibers and wood: Tar, pitch, rosin, turpentine, etc.....			11,990	1,199,000	1,199,000
Textiles.....			10,289		5,069,630
Bags and bagging.....		1,003		60,180	
Cotton and cotton linters.....		7,373		4,423,800	
Fibers.....		1,555		388,750	
Wool.....		358		196,900	
Wood and paper.....			19,552		533,735
Cooperage.....		1,099		54,950	
Lumber.....	17,755			443,875	
Paper, manufactures of.....		698		34,900	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Nonmetallic minerals.....			626,821		\$7,867,603
Asphalt.....	2,662			\$79,960	
Oil, fuel.....	617,303			7,716,287	
Oil, refined.....		840		50,400	
Salt.....		6,016		21,056	
Ores, metals, and manufactures, except machinery and vehicles.....			11,724		3,170,100
Bullion, lead, zinc, and copper.....	6,659			2,663,600	
Iron and steel, manufactures of.....		5,065		506,500	
Machinery and vehicles: Machinery.....		813	813	162,609	162,609
Chemicals.....			3,238		509,885
Chemicals.....		239		239,000	
Fertilizers.....	2,449			159,185	
Paints.....		378		94,500	
Soap and soap powders.....		172		17,200	
Unclassified: Miscellaneous.....		31,823	31,823	9,546,900	9,546,900
Total.....	646,828	227,222	874,060		48,358,597
Total receipts and shipments.....	764,384	432,226	1,196,610		85,923,007

It was impracticable to procure average haul or rate per ton-mile.

Freight traffic, 1920—Continued.
SUMMARY.

Classes of commodities.	Foreign.				Domestic.		Total.	
	Imports.		Exports.		Tons.	Value.	Tons.	Value.
	Tons.	Value.	Tons.	Value.				
Animals and animal products, except wool and hair.....	25,436	\$930,492	99,294	\$26,370,769	732	\$231,120	125,462	\$27,532,401
Vegetable food products, oilseeds, expressed oils, and beverages.....	1,665,105	220,542,682	742,946	208,343,335	230,813	32,480,015	2,638,864	461,346,032
Other vegetable products, except fibers and wood.....	1,101	536,123	132,188	29,885,185	12,123	1,221,900	145,412	31,643,208
Textiles.....	145,405	28,873,615	369,024	261,346,042	17,883	5,811,440	532,922	286,031,097
Wood and paper.....	43,241	2,215,566	944,549	31,156,176	26,107	856,325	1,013,897	34,231,067
Nonmetallic minerals.....	2,245,838	8,894,385	2,214,471	81,679,099	754,243	13,645,545	5,214,552	104,219,029
Ores, metals, and manufactures of, except machinery and vehicles.....	10,704	1,375,840	332,800	37,441,791	20,132	4,121,600	383,636	42,939,221
Machinery and vehicles.....	169,182	7,675,596	87,854	16,321,811	2,367	4,577,169	90,221	15,778,970
Chemicals.....	16,642	3,028,706	39,073	8,851,259	51,040	2,769,903	259,895	19,296,758
Unclassified.....			31,200	6,240,387	81,160	24,348,000	129,002	33,617,083
Total.....	4,322,654	274,073,005	4,994,599	706,638,864	1,196,610	85,923,007	10,513,863	1,086,634,876

Cargoes in transit: Short tons, 589,334; value, \$94,324,702.

Cargoes in and out of harbor consigned to ports beyond.

Commodities.	Amounts in short tons.	Value.
RECEIPTS.		
Beans and lentils.....	3,945	\$1,072,023
Coffee.....	2,858	1,073,851
Fibers, manufactures of.....	940	235,096
Nitrate of soda.....	4,870	243,200
Oil, mineral.....	7,617	271,532
Peas.....	8,029	1,172,283
Rice.....	5,647	1,196,761
All other articles.....	4,870	974,164
Total.....	38,776	6,238,910
SHIPMENTS.		
Beans and lentils.....	3,945	1,072,023
Coffee.....	2,858	1,073,851
Fibers, manufactures of.....	940	235,096
Nitrate of soda.....	4,870	243,200
Oil, mineral.....	7,617	271,532
Peas.....	8,029	1,172,283
Rice.....	5,647	1,196,761
All other articles.....	4,870	974,164
Total.....	38,776	6,238,910
Total receipts and shipments.....	77,552	12,477,820

Cargoes in and out of harbor remaining aboard ships consigned to ports beyond.

Commodities.	Amounts in short tons.	Value.
RECEIPTS.		
Coal.....	19,776	\$118,656
Cotton.....	22,268	13,360,800
Iron and steel, manufactures of.....	12,000	1,440,000
Lumber.....	86,438	2,160,950
Oil, fuel.....	3,726	46,575
Oil, refined.....	1,534	92,040
Phosphate rock.....	65,434	392,604
Staves.....	5,043	209,861
Wheat.....	14,572	14,572,000
Zinc, spelter, etc.....	2,500	1,750,000
All other articles.....	22,600	6,780,000
Total.....	255,891	40,923,486
SHIPMENTS.		
Coal.....	19,776	118,656
Cotton.....	22,268	13,360,800
Iron and steel, manufactures of.....	12,000	1,440,000
Lumber.....	86,438	2,160,950
Oil, fuel.....	3,726	46,575
Oil, refined.....	1,534	92,040
Phosphate rock.....	65,434	392,604
Staves.....	5,043	209,861
Wheat.....	14,572	14,572,000
Zinc, spelter, etc.....	2,500	1,750,000
All other articles.....	22,600	6,780,000
Total.....	255,891	40,923,486
Total receipts and shipments.....	511,782	81,846,972

Vessel classification, 1920.

[Under the columns "American" and "Foreign" are given the totals of entries and clearances. Under column "Net registered tonnage" is given the net vessel tonnage for the total number of entries and clearances.]

Classes.	American.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steamers.....	2,171	1,863	4,034	9,354,131
Sailing and unrigged.....	49	67	116	120,737
Coastwise steamers.....			1,100	2,968,197
Sailing and unrigged.....			26	27,146
Total.....	2,220	1,930	5,276	12,468,211

NOTE.—No record of vessels not entering or clearing at customhouse.

LAKE PONTCHARTRAIN, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916.....	523,162	\$5,353,255	37,630	\$117,594	77,714
1917.....	773,176	7,777,235	129,195	645,975	55,417
1918.....	451,308	14,906,864	40,000	250,000	60,000
1919.....	426,562	14,208,851			7,750
1920.....	412,529	19,574,210			5,000

NOTE.—The amounts shown in columns "floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair.....			77,707		\$281,375	Miles.
All animals.....	27			\$10,800		25
Oysters.....	5,140			179,900		25
Shells.....	72,540			90,675		25
Vegetable food products, oil seeds, expressed oils, and beverages.....			1,386		103,760	
Corn.....		171		11,970		25
Melons.....	71			3,550		25
Potatoes.....		1,042		72,940		25
Rice.....		102		15,300		25
Other vegetable products, except fibers and wood.....			1,404		140,050	
Naval stores.....		1,390		139,000		25
Moss.....		14		1,050		25
Textiles: Cotton.....		143	143	85,900	85,900	25
Wood and paper.....			102,992		2,330,843	
Laths.....		92		4,140		25
Lumber.....	86,175			2,154,375		25
Piling.....	361			2,888		25
Shingles.....		145		7,250		25

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL—continued.						
Wood and paper—Continued.						Miles.
Staves, oak.....	1, 125			\$56, 250		25
Ties.....	94			940		25
Wood, cord.....	15, 000			105, 000		25
Nonmetallic minerals.....			182, 893		\$418, 657	25
Brick.....	24, 299			145, 794		25
Charcoal.....	2, 079			62, 370		25
Sand.....	155, 435			194, 293		25
Tile, hollow.....	1, 080			16, 200		25
Machinery and vehicles.....			919		702, 800	25
Automobiles.....		519		622, 800		25
Machinery.....		400		80, 000		25
Chemicals: Fertilizers.....		95	95	6, 175	6, 175	25
Unclassified.....			44, 990		15, 504, 750	25
Junk.....	190			4, 750		25
Miscellaneous.....		25, 000		5, 000, 000		25
Ship hulls (new).....	19, 800			10, 509, 000		25
Total.....	383, 416	29, 113	412, 529		19, 574, 210	

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	77, 707	\$281, 375
Vegetable food products, oil seeds, expressed oils, and beverages.....	1, 386	103, 780
Other vegetable products, except fibers and wood.....	1, 404	140, 050
Textiles.....	143	85, 800
Wood and paper.....	102, 992	2, 330, 843
Nonmetallic minerals.....	182, 893	418, 657
Machinery and vehicles.....	919	702, 800
Chemicals.....	95	6, 175
Unclassified.....	44, 990	15, 504, 750
Total.....	412, 529	19, 574, 210

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net reg- istered tonnage.	Passen- gers.
AMERICAN.				
Registered:				
Steamers.....	14	2, 798	47, 216	5, 000
Sailing.....	91	1, 937	39, 605	
Gas boats.....	15	300	4, 120	
Unregistered:				
Gas boats.....	75			
Unrigged barges.....	60			
Luggers.....	20			
Total.....	275	5, 035	90, 941	5, 000

CHEFUNCTE RIVER AND BOGUE FALIA, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passen- gers.
	Short tons.	Value.	Tons.	Value.	
1916.....	284,621	\$1,887,779	30,000	\$93,750	7,771
1917.....	288,630	1,877,579	55,270	276,353	5,000
1918.....	246,399	6,941,893	64,992	406,200	14,932
1919.....	191,494	5,585,780	16,937	105,856	7,500
1920.....	190,351	1,582,839	19,610	122,562	5,000

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, except wool and hair: All animals.	19		19	\$7,600	\$7,600	Miles. 7
Vegetable food products, oilseeds, expressed oils, and beverages:						
Rice		102	102	15,300	15,300	12
Other vegetable products, except fibers and wood: Naval stores.		108	108	10,800	10,800	10
Textiles: Cotton		13	13	7,800	7,800	12
Wood and paper			29,974		328,662	
Logs, floated	19,610			122,562		3
Lumber	7,304			182,600		3
Staves	60			2,500		10
Wood	3,000			21,000		12
Nonmetallic minerals			157,560		210,802	
Brick	2,785			16,590		13
Charcoal	25			750		13
Sand	154,770			193,462		10
Machinery and vehicles: Automobiles		500	500	600,000	600,000	10
Unclassified			2,075		401,875	
Junk	75			1,875		6
Miscellaneous	2,000			400,000		12
Total	189,628	723	190,351		1,582,839	

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	19	\$7,600
Vegetable food products, oil seeds, expressed oils and beverages.....	102	15,300
Other vegetable products, except fibers and wood.....	108	10,800
Textiles.....	13	7,800
Wood and paper.....	29,974	328,662
Nonmetallic minerals.....	157,560	210,802
Machinery and vehicles.....	500	600,000
Unclassified.....	2,075	401,875
Total.....	190,351	1,582,839

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers.....	5	1,339	24,518	5,000
Sailing.....	13	284	6,242	.....
Unregistered:				
Gas boats.....	20	.....	.....	.....
Unrigged barges.....	45	.....	.....	.....
Total.....	83	1,623	30,760	5,000

PASS MANCHAC, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916.....	75,674	\$1,127,503	37,630	\$117,594	496
1917.....	60,141	1,646,694	21,472	107,380	417
1918.....	80,020	2,373,754	40,000	250,000	207
1919.....	38,629	2,057,049	.....	.....	250
1920.....	35,511	1,980,380	.....	.....	250

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season, Jan. 1, 1920 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, except wool and hair.....			16		\$7,300	Miles.
All animals.....	8			\$3,200		7
Eggs.....		8		4,000		7
Vegetable food products, oilseeds, expressed oils, and beverages.....			1,214		84,980	
Corn.....		172		12,040		7
Potatoes.....		1,042		72,940		7
Other vegetable products, except fibers and wood: Moss.....		15	15	1,125	1,125	7
Textiles: Cotton.....		56	56	33,600	33,600	7
Wood and paper.....			28,196		644,500	
Lumber.....	21,926			548,150		7
Shingles.....		145		7,250		7
Staves, oak.....	1,075			53,750		7
Wood, cord.....	5,060			35,350		7
Machinery and vehicles.....			419		102,800	
Automobiles.....	19			22,800		7
Machinery.....	400			80,000		7
Chemicals: Fertilizer.....		95	95	6,175	6,175	7
Unclassified: Miscellaneous.....		5,500	5,500	1,100,000	1,100,000	7
Total.....	28,478	7,033	35,511		1,980,380	

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	16	\$7,200
Vegetable food products, oil seeds, expressed oils, and beverages.....	1,214	84,980
Other vegetable products, except fibers and wood.....	15	1,125
Textiles.....	56	33,600
Wood and paper.....	23,196	644,500
Machinery and vehicles.....	419	102,800
Chemicals.....	95	6,175
Unclassified.....	5,500	1,100,000
Total.....	35,511	1,960,380

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers.....	5	560	12,288	260
Sailing.....	30	512	9,630	
Gas boats.....	2	422	4,240	
Unregistered:				
Gas boats.....	16			
Unrigged barges.....	15			
Total.....	68	1,494	26,158	250

TICKFAW, NATALBANY, PONCHATOULA, AND BLOOD RIVERS, LA.*Comparative statement of traffic.*

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916.....	43,481	\$455,207	24,281	\$75,879	100
1917.....	34,561	643,513	12,767	63,834	128
1918.....	46,537	1,086,883	19,888	124,300	
1919.....	73,450	1,247,514	46,239	288,994	
1920.....	60,806	1,201,715	34,912	218,200	

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair: All animals.	8		8	\$3,200	\$3,200	Miles. 16
Vegetable food products, oilseeds, expressed oils, and beverages:						
Corn.....		172	172	12,040	12,040	16
Textiles: Cotton.....		9	9	5,400	5,400	16
Wood and paper.....			58,603		772,100	16
Logs, floated.....	34,912			218,200		16
Lumber.....	20,926			523,150		16
Staves, oak.....	265			13,250		16
Wood, cord.....	2,500			17,500		16
Machinery and vehicles.....			419		102,800	16
Automobiles.....	19			22,800		16
Machinery.....	400			80,000		16
Chemicals: Fertilizer.....		95	95	6,175	6,175	16
Unclassified: Miscellaneous.....		1,500	1,500	300,000	300,000	16
Total.....	59,030	1,776	60,806		1,201,715	

SUMMARY.

Classes of commodities.	Tons.	Value.
Animal and animal products, except wool and hair.....	8	\$3,200
Vegetable food products, oil seeds, expressed oils, and beverages.....	172	12,040
Textiles.....	9	5,400
Wood and paper.....	58,603	772,100
Machinery and vehicles.....	419	102,800
Chemicals.....	95	6,175
Unclassified.....	15,000	300,000
Total.....	60,806	1,201,715

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.
AMERICAN.			
Registered:			
Steamers.....	3	408	9,080
Sailing.....	22	344	7,468
Gas boats.....	1	416	4,160
Unregistered:			
Gas boats.....	6		
Unrigged barges.....	10		
Total.....	42	1,168	20,688

AMITE RIVER AND BAYOU MANCHAC, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916.....	109, 117	\$912, 678	90, 273	\$282, 103	396
1917.....	87, 578	1, 313, 166	70, 702	353, 511	289
1918.....	55, 916	1, 436, 150	42, 545	265, 906	207
1919.....	42, 577	1, 293, 274	31, 159	194, 745	250
1920.....	19, 424	1, 058, 158	9, 807	61, 293	250

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Packages.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair: Eggs.....		8	8	\$4, 000	\$4, 000	Miles. 35
Vegetable food products, oilseeds, expressed oils, and beverages:						
Potatoes.....		1, 042	1, 042	72, 940	72, 940	35
Other vegetable products, except fibers and wood: Moss.....		15	15	1, 125	1, 125	35
Textiles: Cotton.....		47	47	28, 200	28, 200	40
Wood and paper.....			14, 312		151, 893	
Logs, floated.....	9, 807			61, 293		35
Lumber.....	1, 000			25, 000		20
Shingles.....		145		7, 250		35
Staves, oak.....	810			40, 500		40
Wood, cord.....	2, 550			17, 850		40
Unclassified: Miscellaneous.....		4, 000	4, 000	800, 000	800, 000	35
Total.....	14, 167	5, 257	19, 424		1, 058, 158	

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	8	\$4, 000
Vegetable food products, oil seeds, expressed oils, and beverages.....	1, 042	72, 940
Other vegetable products, except fibers and wood.....	15	1, 125
Textiles.....	47	28, 200
Wood and paper.....	14, 312	151, 808
Unclassified.....	4, 000	800, 000
Total.....	19, 424	1, 058, 158

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers.....	3	252	3,228	250
Sailing.....	15	168	2,162	.....
Gas boats.....	2	6	80	.....
Unregistered:				
Gas boats.....	10	.....	.....	.....
Unrigged barges.....	6	.....	.....	.....
Total.....	36	426	5,470	250

BARATARIA BAY, LA.

The improvement only being adopted by the river and harbor act approved March 2, 1919, there are no commercial statistics for the preceding calendar years.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1919.....	195,360	\$10,057,286	91,864	\$574,150	500
1920.....	168,238	9,199,566	91,974	574,837	500

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Packages.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair.....			9,771		\$1,182,422	Miles.
All animals:.....	962			\$384,800		40
Farm and dairy products.....		785		353,250		30
Fish.....	376			150,400		60
Oysters.....	5,457			190,995		60
Shrimp.....	2,191			102,977		60
Vegetable food products, oilseeds, expressed oils, and beverages.....			19,079		1,881,080	
Corn.....		1,368		95,760		30
Onions.....		2,026		121,560		30
Potatoes.....		5,228		365,960		30
Rice.....		6,847		1,027,050		30
Sirup.....		3,610		270,750		30
Other vegetable products, except fibers and wood: Moss.....		677	677	50,775	50,775	20
Wood and paper.....			94,032		597,037	
Logs, floated.....	91,974			574,837		30
Lumber.....	108			2,700		30
Ties.....	1,950			19,500		10
Nonmetallic minerals.....			15,461		182,947	
Coal.....	5,080			30,480		18
Gasoline.....	478			28,680		40
Oil, fuel.....	9,903			123,787		30
Machinery and vehicles: Machin- ery.....	75		75	15,000	15,000	40
Chemicals: Fertilizer.....		1,750	1,750	113,750	113,750	30
Unclassified.....			27,393		5,176,555	
Ice.....	1,565			10,955		60
Miscellaneous.....		25,828		5,165,600		40
Total.....	120,119	48,119	168,238		9,199,566	

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	9, 771	\$1, 182, 422
Vegetable food products, oil seeds, expressed oils, and beverages.....	19, 079	1, 881, 080
Other vegetable products, except fibers and wood.....	677	50, 775
Wood and paper.....	94, 032	597, 037
Nonmetallic minerals.....	15, 461	182, 947
Machinery and vehicles.....	75	15, 000
Chemicals.....	1, 750	113, 750
Unclassified.....	27, 393	5, 176, 555
Total.....	168, 238	9, 199, 566

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers.....	11	865	58, 381	500
Gas boats.....	97	3, 461	34, 610	.....
Unregistered:				
Gas boats.....	20	.....	.....	.....
Unrigged barges.....	54	.....	.....	.....
Total.....	182	4, 326	92, 991	500

BAYOU LAFOURCHE, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916.....	226, 419	\$4, 710, 479	26, 379	\$82, 434	(1) 100
1917.....	226, 203	5, 588, 229	22, 400	112, 000	
1918.....	267, 054	10, 067, 475	.....	.....
1919.....	241, 249	10, 510, 997	.....	.....
1920.....	232, 960	9, 854, 535	.....	.....

¹ No passenger traffic reported.

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair.....			821		\$298,900	Miles.
All animals.....	597			\$238,800		20
Eggs.....		60		30,000		30
Furs.....		14		9,100		60
Hides.....		150		21,000		20
Vegetable food products, oilseeds, expressed oils, and beverages....			178,590		4,710,675	
Cane, sugar.....	140,000			1,120,000		30
Corn.....		2,000		140,000		20
Feed, ground.....		6,500		390,000		30
Molasses.....		8,125		609,375		10
Oats.....		960		62,400		20
Onions.....		2,849		170,940		20
Potatoes.....		6,318		442,260		20
Rice.....		4,385		657,750		20
Sugar.....		7,453		1,117,950		30
Other vegetable products, except fibers and wood: Moss.....		105	105	7,875	7,875	10
Wood and paper.....			1,871		37,775	
Lumber.....	1,371			34,275		30
Wood, cord.....	500			3,500		30
Nonmetallic minerals.....			27,810		418,050	
Brick.....	105			630		20
Cement.....		292		5,840		20
Lime.....		100		1,500		20
Oil, fuel.....	25,570			319,625		35
Oil, refined.....		1,493		89,500		35
Salt.....		250		875		20
Ores, metals, and manufactures, except machinery and vehicles:						
Iron and steel products.....	423		423	50,760	50,760	20
Machinery and vehicles: Machinery	840		840	168,000	168,000	30
Chemicals: Fertilizers.....		2,500	2,500	162,500	162,500	10
Unclassified: Miscellaneous.....		20,000	20,000	4,000,000	4,000,000	20
Total.....	169,406	63,554	232,960		9,854,535	

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	821	\$298,900
Vegetable food products, oilseeds, expressed oils, and beverages.....	178,590	4,710,675
Other vegetable products, except fibers and wood.....	105	7,875
Wood and paper.....	1,871	37,775
Nonmetallic minerals.....	27,810	418,050
Ores, metals, and manufactures, except machinery and vehicles.....	423	50,760
Machinery and vehicles.....	840	168,000
Chemicals.....	2,500	162,500
Unclassified.....	20,000	4,000,000
Total.....	232,960	9,854,535

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers.....	12	677	31,847	250
Gas boats.....	7	1,236	12,001	
Unregistered:				
Gas boats.....	25			
Unrigged barges.....	100			
Total.....	144	1,913	43,848	250

BAYOU TERREBONNE, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916.....	179,962	\$3,310,045	63,477	\$198,366	1,182
1917.....	188,411	5,445,465	61,214	306,072	1,500
1918.....	190,191	6,632,487	55,760	348,500	1,000
1919.....	171,953	5,928,915	45,244	282,775	1,166
1920.....	163,205	6,597,125	47,411	296,318	1,256

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

(Navigation season: Jan. 1, 1920, to Dec. 31, 1920.)

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, except wool and hair.....			13,538		\$809,950	Miles.
All animals.....	187			\$74,800		10
Eggs.....		150		75,000		30
Furs.....		25		16,250		30
Fish.....	300			120,000		40
Hides.....		100		14,000		10
Oysters.....	10,500			367,500		40
Potatoes.....		1,200		84,000		30
Rice.....		76		11,400		4
Shrimp.....	1,000			47,000		40
Vegetable food products, oil seeds, and beverages.....			82,762		3,156,475	
Cane, sugar.....	60,000			480,000		15
Corn.....		490		34,300		15
Feed, ground.....		4,000		240,000		15
Molasses.....		3,885		291,375		20
Onions.....		525		31,500		30
Sugar.....		13,862		2,079,300		15
Other vegetable products, except fibers and wood: Moss.....		112	112	8,400	8,400	30
Wood and paper.....			50,252		331,343	
Logs, floated.....	47,411			296,318		12
Lumber.....	841			21,025		15
Wood, cord.....	2,000			14,000		30
Nonmetallic minerals.....			4,436		88,057	
Brick.....	500			3,000		15
Cement.....		292		5,840		15
Coal.....	700			4,200		15
Gravel.....	560			700		15
Lime.....		137		2,055		15
Oil, fuel.....	1,317			16,462		60
Oil, refined.....		930		55,800		20
Ores, metals, and manufactures, except machinery and vehicles:						
Iron and steel products.....	465		465	55,800	55,800	20
Machinery and vehicles: Ma- chinery.....	300		300	60,000	60,000	20
Chemicals: Fertilizers.....		1,340	1,340	87,100	87,100	20
Unclassified: Miscellaneous.....	10,000		10,000	2,000,000	2,000,000	15
Total.....	136,081	27,124	163,205		6,597,125	

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	13, 538	\$909, 950
Vegetable food products, oilseeds, expressed oils, and beverages.....	82, 762	3, 156, 475
Other vegetable products, except fibers and wood.....	112	8, 400
Wood and paper.....	50, 252	331, 343
Nonmetallic minerals.....	4, 436	88, 057
Ores, metals, and manufactures, except machinery and vehicles.....	465	55, 800
Machinery and vehicles.....	300	60, 000
Chemicals.....	1, 340	87, 100
Unclassified.....	10, 000	2, 000, 000
Total.....	163, 205	6, 597, 125

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers.....	3	295	25, 346	1, 250
Gas boats.....	13	1, 500	10, 500	.....
Unregistered:				
Gas boats.....	400			
Unrigged barges.....	150			
Total.....	566	1, 795	35, 846	1, 250

BAYOU PLAQUEMINE, GRAND RIVER, AND PIGEON BAYOUS, LA.*Comparative statement of traffic.*

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916.....	738, 443	\$8, 625, 779	580, 682	\$1, 814, 631	294
1917.....	776, 781	13, 666, 822	655, 928	3, 279, 641	406
1918.....	638, 341	13, 381, 088	516, 647	3, 229, 043	777
1919.....	667, 388	13, 099, 688	568, 000	3, 550, 000	500
1920.....	665, 497	12, 903, 401	580, 000	3, 625, 000	1, 000

NOTE.—The amount shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, except wool and hair.....			1,480		\$415,750	Miles.
All animals.....	125			\$50,000		40
Farm and dairy products.....		100		45,000		40
Fish.....		750		300,000		40
Furs.....		5		3,250		40
Oysters.....		500		17,500		60
Vegetable food products, oil seeds, expressed oils, and beverages.....			1,557		197,025	
Molasses.....		487		38,525		60
Rice.....		270		40,500		60
Sugar.....		800		120,000		60
Other vegetable products, except fibers and wood: Moss.....		195		14,625	14,625	60
Wood and paper.....			589,000		3,760,000	
Logs, floated.....	580,000			3,625,000		25
Lumber.....	4,000			100,000		20
Wood, cord.....	5,000			35,000		40
Nonmetallic minerals.....			32,252		394,441	
Coal.....	997			5,982		40
Oil, fuel.....	31,057			388,212		60
Sand.....	198			247		60
Ores, metals, and manufactures, except machinery and vehicles: Iron and steel products.....	1,013		1,013	121,560	121,560	40
Unclassified: Miscellaneous.....		40,000	40,000	8,000,000	8,000,000	60
Total.....	622,390	43,107	665,497		12,903,401	

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	1,480	\$415,750
Vegetable food products, oil seeds, expressed oils, and beverages.....	1,557	197,025
Other vegetable products, except fibers and wood.....	195	14,625
Wood and paper.....	589,000	3,760,000
Nonmetallic minerals.....	32,252	394,441
Ores, metals, and manufactures, except machinery and vehicles.....	1,013	121,560
Unclassified.....	40,000	8,000,000
Total.....	665,497	12,903,401

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net reg- istered tonnage.	Passen- gers.
AMERICAN.				
Registered:				
Steamers.....	40	284	23,480	1,000
Gas boats.....	35	770	5,390	
Unregistered:				
Gas boats.....	100			
Unrigged barges.....	71			
Total.....	246	1,054	28,870	1,000

BAYOU GROSSETETE, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.	
	Short tons.	Value.	Tons.	Value.
1916.....	205, 131	\$878, 500	180, 000	\$562, 500
1917.....	237, 947	1, 572, 948	220, 000	1, 100, 000
1918.....	214, 523	1, 948, 427	200, 000	1, 250, 000
1919.....	239, 879	2, 019, 172	216, 000	1, 350, 000
1920.....	172, 035	1, 630, 407	160, 000	1, 000, 000

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Vegetable food products, oil seeds, expressed oils and beverages.....			6, 366		\$92, 420	Miles.
Cane, sugar.....	6, 000			\$48, 000		3
Potatoes.....		131		9, 170		40
Rice.....		135		20, 250		40
Sugar.....		100		15, 000		40
Other vegetable products, except fibers and wood: Moss.....		194	194	14, 550	14, 550	20
Wood and paper.....			162, 500		1, 017, 500	
Logs, floated.....	160, 000			1, 000, 000		20
Wood, cord.....	2, 500			17, 500		20
Nonmetallic minerals: Oil, fuel.....	475		475	5, 937	5, 937	20
Unclassified: Miscellaneous.....		2, 500	2, 500	500, 000	500, 000	20
Total.....	168, 975	3, 060	172, 035		1, 630, 407	

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products, oil seeds, expressed oils and beverages.....	6, 366	\$92, 420
Other vegetable products, except fibers and wood.....	194	14, 550
Wood and paper.....	162, 500	1, 017, 500
Nonmetallic minerals.....	475	5, 937
Unclassified.....	2, 500	500, 000
Total.....	172, 035	1, 630, 407

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.
AMERICAN.			
Registered:			
Steamers.....	3	152	8,284
Gas boats.....	5	480	4,608
Unregistered:			
Gas boats.....	12		
Unrigged barges.....	20		
Total.....	40	632	12,892

BAYOU TECHE, LA.*Comparative statement of traffic.*

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916.....	555,776	\$6,490,307	417,742	\$1,305,444	1,500
1917.....	893,622	11,651,378	567,138	2,785,662	2,000
1918.....	550,370	12,022,872	426,000	2,662,500	500
1919.....	581,120	11,850,298	458,000	2,862,500	750
1920.....	571,206	11,249,284	466,000	2,912,500	1,000

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season, Jan. 1, 1920, to Dec. 31, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair.....			85		\$19,000	Miles.
Eggs.....		30		\$15,000		40
Farm and dairy products.....		5		2,250		40
Oysters.....		50		1,750		40
Vegetable food products, oil seeds, expressed oils and beverages.....			46,574		1,897,225	
Cane, sugar.....	35,000			280,000		20
Corn.....		420		29,400		40
Molasses.....		1,137		85,275		40
Rice.....		5,017		752,550		40
Sugar.....		5,000		750,000		40
Wood and paper.....			476,550		2,999,300	
Logs, floated.....	466,000			2,912,500		40
Lumber.....	600			15,000		40
Shingles.....		50		2,500		40
Wood, cord.....	9,900			69,300		40
Nonmetallic minerals.....			16,387		225,809	
Brick.....	437			2,622		18
Coal.....	2,000			12,000		40
Oil, fuel.....	13,175			164,687		40
Oil, refined.....		775		46,500		40
Ores, metals, and manufactures, except machinery and vehicles:						
Iron and steel products.....	60		60	7,200	7,200	40
Chemicals: Fertilizers.....		1,550	1,550	100,750	100,750	40
Unclassified: Miscellaneous.....		30,000	30,000	6,000,000	6,000,000	46
Total.....	527,172	44,034	571,206		11,249,284	

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	85	\$19,000
Vegetable food products, oilseeds, expressed oils and beverages	46,574	1,807,225
Wood and paper.....	476,550	2,999,300
Nonmetallic minerals.....	16,387	225,809
Ores, metals, and manufactures, except machinery and vehicles.....	60	7,200
Chemicals.....	1,550	100,750
Unclassified.....	30,000	6,000,000
Total.....	571,206	11,249,284

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers.....	16	377	25,550	1,000
Gas boats.....	13	890	8,214	.....
Unregistered:				
Gas boats.....	25	.....	.....	.....
Unrigged barges.....	80	.....	.....	.....
Total.....	134	1,267	33,764	1,000

PLAQUEMINE LOCK, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916.....	156,885	\$2,878,731	54,832	\$171,350	294
1917.....	205,741	5,122,398	93,283	466,415	406
1918.....	120,294	1,565,568	51,851	324,096	27
1919.....	145,849	6,279,908	75,596	472,475	130
1920.....	120,846	2,024,939	90,058	562,863	157

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

Lockages made and traffic passed at Plaquemine Lock during the calendar year ended Dec. 31, 1920.

Lockages.....	1,079	Barges.....	289
Steamers.....	308	Other crafts.....	513
Gas boats.....	830	Passengers.....	157

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
INTERNAL.					
Animals and animal products, except wool and hair.....			143		\$9,850
All animals.....	11			\$4,400	
Farm and dairy products.....		2		900	
Oysters, shell.....		130		4,550	
Vegetable food products, oilseeds, ex- pressed oils and beverages.....			702		73,800
Molasses.....		420		31,500	
Rice.....		282		42,300	
Wood and paper.....			90,120		564,413
Logs, floated.....	90,058			562,883	
Lumber.....	62			1,550	
Nonmetallic minerals.....			24,514		298,616
Coal.....	997			5,982	
Oil, fuel.....	23,399			292,487	
Sand.....	118			147	
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel products.....		583	583	69,960	69,960
Unclassified.....			4,784		1,008,300
Miscellaneous.....		515		154,500	
Miscellaneous merchandise.....		4,269		853,800	
Total.....	115,228	5,618	120,846		2,024,939

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	143	\$9,850
Vegetable food products, oil seeds, expressed oils and beverages.....	702	73,800
Wood and paper.....	90,120	564,413
Nonmetallic minerals.....	24,514	298,616
Ores, metals, and manufactures, except machinery and vehicles.....	583	69,960
Unclassified.....	4,784	1,008,300
Total.....	120,846	2,024,939

KEYSTONE LOCK, BAYOU TECHE, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passen- gers.
	Short tons.	Value.	Tons.	Value.	
1916.....	10,971	\$165,336			143
1917.....	10,172	343,155			43
1918.....	10,957	418,461	7,610	\$47,563	26
1919.....	10,228	660,245	4,400	27,500	103
1920.....	6,481	485,370	3,220	20,125	26

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

Lockages made and traffic passed at Keystone Lock during the calendar year ended December 31, 1920.

Lockages.....	308	Barges.....	74
Steamers.....	40	Other crafts.....	117
Gas boats.....	172	Passengers.....	26

[Navigation season, Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
INTERNAL.					
Animals and animal products, except wool and hair.....			29		\$3,090
Farm and dairy products.....		5		\$2,250	
Oysters.....		24		840	
Vegetable food products, oil seeds, ex- pressed oils, and beverages: Rice.....		192	192	28,800	28,800
Wood and paper.....			4,090		35,353
Logs, floated.....	3,220			20,125	
Lumber.....	479			11,975	
Shingles.....		12		600	
Wood, cord.....	379			2,653	
Nonmetallic minerals.....			101		727
Brick.....	27			162	
Coal.....	60			360	
Cement.....	4			80	
Oil, fuel.....		10		125	
Ores, metals, and manufactures, except machinery and vehicles: Iron and steel products.....	60		60	7,200	7,200
Unclassified.....			2,009		410,200
Miscellaneous.....		84		25,200	
Miscellaneous merchandise.....		1,925		385,000	
Total.....	4,229	2,252	6,481		485,370

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	29	\$3,090
Vegetable food products, oil seeds, and beverages.....	192	28,800
Wood and paper.....	4,090	35,353
Nonmetallic minerals.....	101	727
Ores, metals, and manufactures, except machinery and vehicles.....	60	7,200
Unclassified.....	2,009	410,200
Total.....	6,481	485,370

ATCHAFALAYA RIVER, MORGAN CITY TO THE GULF OF MEXICO, LA.

Comparative statement of traffic.

Calendar year.	Atchafalaya Bay Ship Channel.		Entering and leaving Morgan City.				
	Short tons.	Value.	Total.		Floated logs.		Passengers.
			Short tons.	Value.	Tons.	Value.	
1916.....	20, 823	\$313, 305	671, 543	\$5, 386, 538	510, 904	\$1, 596, 575	2, 500
1917.....	8, 183	255, 054	814, 713	9, 582, 779	675, 366	3, 376, 780	2, 500
1918.....	11, 626	1, 221, 998	624, 903	11, 296, 849	459, 721	2, 873, 256	(1)
1919.....	14, 029	2, 105, 751	617, 792	12, 430, 818	473, 056	2, 956, 600	400
1920.....	15, 852	404, 025	658, 900	10, 875, 878	514, 437	3, 215, 231	400

1 No passengers carried.

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair.....			3, 044		\$962, 600	Miles.
All animals.....	44			\$17, 600		5
Fish.....	500			200, 000		30
Furs.....		1, 000		650, 000		30
Hides.....		500		60, 000		30
Oysters.....	1, 000			35, 000		30
Vegetable food products, oil seeds, expressed oils, and beverages.....			80, 474		2, 582, 785	
Cane, sugar.....	60, 000			480, 000		10
Corn.....		56		3, 920		10
Cottonseed.....		410		24, 600		25
Feed, ground.....		3, 000		180, 000		10
Molasses.....		8, 125		609, 375		5
Onions.....		140		8, 400		10
Potatoes.....		437		30, 590		10
Rice.....		306		45, 900		8
Sugar.....		8, 000		1, 200, 000		5
Textile: Cotton.....		487	487	292, 200	292, 200	25
Wood and paper.....			524, 191		3, 380, 431	
Logs, floated.....	514, 437			3, 215, 231		25
Shingles.....		2, 254		112, 700		20
Wood, cord.....	7, 500			52, 500		15
Nonmetallic minerals.....			31, 954		457, 612	
Brick.....	375			2, 250		35
Coal.....	2, 000			12, 000		25
Oil, fuel.....	28, 029			350, 362		8
Oil, refined.....		1, 550		93, 000		8
Chemicals: Fertilizer.....		3, 000	3, 000	195, 000	195, 000	10
Unclassified.....			15, 750		3, 005, 250	
Ice.....	750			5, 250		30
Miscellaneous merchandise.....		15, 000		3, 000, 000		10
Total.....	614, 635	44, 265	658, 900		10, 875, 878	

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wood and hair.....	3,044	\$962,600
Vegetable food products, oilseeds, expressed oils, and beverages.....	80,474	2,582,785
Textiles.....	487	292,200
Wood and paper.....	524,191	3,380,431
Nonmetallic minerals.....	31,954	457,612
Chemicals.....	3,000	195,000
Unclassified.....	15,750	3,006,250
Total.....	658,900	10,875,878

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers.....	26	1,044	62,551	500
Gas boats.....	6	456	2,634	
Unrigged barges.....	2	26	15,698	
Unregistered:				
Gas boats.....	40			
Unrigged barges.....	50			
Total.....	124	1,526	80,883	500

ATCHAFALAYA BAY SHIP CHANNEL.

[Navigation season, Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
COASTWISE.					
Animals and animal products, except wool and hair: Oysters, shell.....	1,000	.....	1,000	\$35,000	\$35,000
Nonmetallic minerals: Oil, fuel	13,102	.....	13,102	163,775	163,775
Unclassified.....			1,750		206,250
Ice.....	750	.....		5,250	.....
Miscellaneous merchandise.....		1,000		200,000	.....
Total.....	14,852	1,000	15,852	.....	404,025

INTRACOASTAL WATERWAY, MISSISSIPPI RIVER TO BAYOU TECHE, LA.

The improvement was adopted by the river and harbor act of March 2, 1919. There are no commercial statistics for the waterway for the calendar year 1920. However, considerable traffic was carried on the different streams which will make up the waterway. This commerce now enters New Orleans through the Harvey Canal and Company Canal.

INTRACOASTAL WATERWAY, FRANKLIN TO MERMENEAU, LA.

Comparative statement of traffic.

Calendar year.	Short tons.	Value.	Passengers.
1916.....	7,572	\$372,383	4,645
1917.....	11,993	662,562	5,219
1918.....	10,194	360,460	1,652
1919.....	9,761	730,757	5,373
1920.....	8,975	842,420	6,345

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						
Animals and animal products, except wool and hair.....			997		\$312,895	Miles.
All animals.....	381			\$152,400		35
Eggs.....		90		45,000		35
Fish.....	100			40,000		35
Farm and dairy products.....		44		19,800		35
Furs.....		55		35,750		35
Hides.....		100		12,000		35
Oysters.....		227		7,945		35
Vegetable food products, oil seeds, expressed oils, and beverages.....			791		84,650	35
Cotton seed.....		400		26,000		35
Rice.....		391		58,650		35
Textiles: Cotton.....		375	375	225,000	225,000	35
Wood and paper.....			3,100		80,000	35
Lumber.....	3,000			75,000		35
Shingles.....		100		5,000		35
Nonmetallic minerals: Oil, fuel.....	3,162		3,162	39,525	39,525	10
Unclassified.....			550		100,350	35
Ice.....	50			350		35
Miscellaneous merchandise.....		500		100,000		35
Total.....	6,693	2,282	8,975		842,420	

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	997	\$312,895
Vegetable food products, oilseeds, expressed oils, and beverages.....	791	84,650
Textiles.....	375	225,000
Wood and paper.....	3,100	80,000
Nonmetallic minerals.....	3,162	39,525
Unclassified.....	550	100,350
Total.....	8,975	842,420

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers.....	3	8	814	.....
Gas boats.....	8	200	1,976	6,345
Unregistered:				
Gas boats.....	132	.....	.....	.....
Unrigged barges.....	10	.....	.....	.....
Total.....	153	208	2,790	6,345

INTRACOASTAL WATERWAY, VERMILION RIVER TO SCHOONER BAYOU, LA.

The project for this improvement was added by the river and harbor act of March 2, 1919, and being a proposed cut-off connecting the Vermilion River with the inland waterway, there are no commercial statistics for the calendar year 1920.

INTRACOASTAL WATERWAY, CALCASIEU RIVER TO SABINE RIVER, LA. AND TEX.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916.....	24,048	\$1,583,923	.....	.....	500
1917.....	26,397	2,311,982	.....	.....	586
1918.....	17,862	2,277,948	.....	.....	500
1919.....	14,230	2,364,679	.....	.....	57
1920.....	14,558	1,785,366	120	\$750	72

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair.....			2,018		\$807,200	<i>Miles.</i>
All animals.....	2,018			\$807,200		23
Vegetable food products, oil seeds, expressed oils, and beverages.....			180		15,920	
Feed, ground.....		100		6,000		23
Potatoes.....		26		1,820		21
Rice.....		54		8,100		23
Wood and paper.....			1,220		26,450	
Logs, floated.....	120			750		23
Lumber.....	1,000			25,000		21
Wood, cord.....	100			700		23
Nonmetallic minerals: Bricks.....	416		416	2,496	2,496	23
Machinery and vehicles: Machin- ery.....	32		32	6,400	6,400	23
Unclassified.....			10,692		926,900	
Boats, barges, etc.....	9,692			726,900		23
Miscellaneous merchandise.....		1,000		200,000		23
Total.....	13,378	1,180	14,558		1,758,366	

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	2,018	\$907,200
Vegetable food products, oil seeds, expressed oils, and beverages.....	180	15,920
Wood and paper.....	1,220	26,450
Nonmetallic minerals.....	416	2,496
Machine y and vehicles.....	32	6,400
Unclassified.....	10,622	926,900
Total.....	14,558	1,785,366

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Gas boats.....	4	188	1,780	72
Sailing.....	1	6	75	.....
Unregistered:				
Gas boats.....	5	.....	.....	.....
Unrigged barges.....	10	.....	.....	.....
Total.....	20	194	1,855	72

SCHOONER BAYOU LOCK, LA.

Comparative statement of traffic.

Calendar year.	Short tons.	Value.	Passengers.
1914.....	1,066	108,587	6,930
1915.....	1,145	148,015	5,126
1916.....	1,506	139,076	4,645
1917.....	1,833	150,605	4,367
1918.....	919	139,945	3,375
1919.....	1,275	249,400	5,373
1920.....	2,948	357,395	6,345

Traffic passed at Schooner Bayou Lock during the calendar year ended Dec. 31, 1920.

Steamers.....	7	Other crafts.....	142
Gas boats.....	1,487	Passengers.....	6,345
Barges.....	124		

[Navigation season: Jan. 1, 1920 to Dec. 31, 1920.]

Freight traffic. 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
INTERNAL.					
Animals and animal products, except wool and hair.....			452		\$173,145
All animals.....	381			\$152,400	
Farm and dairy products.....		44		19,800	
Oysters.....	27			945	
Vegetable food products, oil seeds, ex- pressed oils, and beverages: Rice.....		391	391	58,650	58,650
Textiles: Cotton.....		60	60	36,000	36,000
Wood and paper: Lumber.....	543		543	13,575	13,575
Nonmetallic minerals: Oil, fuel.....	1,290		1,290	16,125	16,125
Unclassified.....			212		59,900
Miscellaneous.....		175		52,500	
Miscellaneous merchandise.....		37		7,400	
Total.....	2,241	707	2,948		357,395

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	452	\$173,145
Vegetable food products, oil seeds, expressed oils, and beverages.....	391	58,650
Textiles.....	60	36,000
Wood and paper.....	543	13,575
Nonmetallic minerals.....	1,290	16,125
Unclassified.....	212	59,900
Total.....	2,948	357,395

BAYOU VERMILION, LA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1899.....	7,650	\$404,480		1910.....	26,428	\$411,673	
1900.....	21,150	527,850		1911.....	29,151	292,292	
1901.....	31,385	498,125		1912.....	25,687	283,736	
1902.....	37,000	(¹)		1913.....	35,369	287,670	
1903.....	15,157	418,120		1914.....	27,915	282,362	
1904.....	29,326	463,036		1915.....	21,208	368,954	
1905.....	28,092	710,170		1916.....	32,766	592,713	5,000
1906.....	32,025	800,350		1917.....	32,810	901,222	5,212
1907.....	37,515	792,500		1918.....	33,134	1,051,632	3,375
1908.....	26,509	474,550		1919.....	33,848	1,304,830	1,743
1909.....	31,593	663,519		1920.....	33,637	1,313,110	2 sw

¹ No statistics available.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, except wool and hair.....			307		\$69,600	Miles.
All animals.....	84			\$33,600		40
Farm and dairy products.....		50		22,500		40
Furs.....		10		6,500		40
Hides.....		13		1,750		40
Oysters.....		150		5,250		60
Vegetable food products, oil seeds, expressed oils, and beverages...			28,681		670,980	
Cane, sugar.....	25,500			204,000		16
Cotton seed.....		113		6,780		15
Rice.....		3,068		460,200		15
Textiles: Cotton.....		103	103	61,800	61,800	15
Wood and paper.....			1,100		18,500	
Lumber.....	600			15,000		40
Wood, cord.....	500			3,500		30
Nonmetallic minerals.....			1,006		4,230	
Brick.....	150			900		25
Gravel.....	155			193		2
Oil, fuel.....	201			2,512		2
Sand.....	500			625		2
Machinery and vehicles: Machinery.....	440		440	88,000	88,000	30
Unclassified: Miscellaneous merchandise.....		2,000	2,000	400,000	400,000	40
Total.....	28,130	5,507	33,637		1,313,110	

SUMMARY.

Classes and commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	307	\$69,600
Vegetable food products, oil seeds, expressed oils, and beverages.....	28,681	670,980
Textiles.....	103	61,800
Wood and paper.....	1,100	18,500
Nonmetallic minerals.....	1,006	4,230
Machinery and vehicles.....	440	88,000
Unclassified.....	2,000	400,000
Total.....	33,637	1,313,110

Vessel classification.

Classes.	Number on stream.	Number of trips.	Net reg- istered tonnage.	Passen- gers.
AMERICAN.				
Registered:				
Steamers.....	3	94	3,560	2,605
Gas boats.....	3	268	1,876	
Sailing.....	1	18	250	
Unregistered:				
Gas boats.....	50			
Unrigged barges.....	40			
Total.....	97	380	5,686	2,605

MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916.....	26,805	\$990,677	4,000	\$12,500	9,690
1917.....	26,444	1,569,881	9,670	48,352	11,400
1918.....	37,374	1,932,235	10,000	62,500	14,000
1919.....	38,316	2,165,779	10,000	62,500	12,000
1920.....	32,258	2,250,362	12,000	76,000	10,000

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season, Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age hauls.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair.....			926		\$292,150	Miles.
All animals.....		381		\$152,400		50
Eggs.....		90		45,000		50
Fish.....	100			40,000		50
Furs.....		55		35,750		50
Hides.....		100		12,000		30
Oysters.....		200		7,000		40
Vegetable food products, oil seeds, expressed oils, and beverages.....			7,579		1,045,390	
Corn.....		140		9,800		40
Cotton seed.....		400		26,000		30
Feed, ground.....		514		30,840		10
Rice.....		6,525		978,750		40
Textiles: Cotton.....		375	375	226,000	226,000	30
Wood and paper.....			16,600		183,500	
Logs, floated.....	12,000			75,000		30
Lumber.....	4,000			100,000		50
Shingles.....		100		5,000		50
Wood, cord.....	500			3,500		10
Nonmetallic minerals.....			4,314		51,277	
Coal.....	254			1,524		20
Gravel.....	493			616		12
Oil, fuel.....	3,162			39,525		60
Oil, refined.....		155		9,300		60
Sand.....	250			312		12
Machinery and vehicles: Machin- ery.....	191		191	38,200	38,200	50
Chemicals: Fertilizer.....		223	223	14,495	14,495	30
Unclassified.....			2,060		400,350	
Ice.....	50			350		40
Miscellaneous merchandise.....		2,000		400,000		30
Total.....	21,000	11,258	32,258		2,250,362	

Freight traffic, 1920—Continued.

SUMMARY.

Classes and commodities.	Tons.	Value
Animals and animal products, except wool and hair.....	926	\$292,150
Vegetable food products, oilseeds, expressed oils, and beverages.....	7,579	1,045,380
Textiles.....	375	225,000
Wood and paper.....	16,600	183,500
Nonmetallic minerals.....	4,314	51,277
Machinery and vehicles.....	191	35,204
Chemicals.....	223	14,494
Unclassified.....	2,050	400,354
Total.....	32,258	2,250,363

Vessel classification.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers.....	2	42	178	.....
Sailing.....	3	27	95	.....
Gas boats.....	6	656	6,238	10,000
Unregistered:				
Gas boats.....	100	.....	.....	.....
Unrigged barges.....	25	.....	.....	.....
Total.....	136	725	6,511	10,000

BAYOU QUEUE DE TORTUE, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.	
	Short tons.	Value.	Tons.	Value.
1916.....	5,371	\$74,112	2,000	\$6,250
1917.....	6,036	102,565	2,400	12,000
1918.....	7,137	96,650	3,000	14,750
1919.....	7,745	193,775	2,000	12,500
1920.....	5,411	116,307	3,000	18,750

No passengers carried on this stream.

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Vegetable food products, oilseeds, expressed oils, and beverages.....			366		\$53, 370	Miles.
Feed, ground.....		17		\$1, 020		5
Rice.....		349		52, 350		8
Wood and paper.....			3, 600		22, 250	
Logs, floated.....	3, 000			18, 750		20
Wood, cord.....	500			3, 500		20
Nonmetallic minerals: Oil, fuel.....	1, 395		1, 395	17, 437	17, 437	8
Chemicals: Fertilizer.....		50	50	3, 250	3, 250	5
Unclassified: Miscellaneous mer- chandise.....		100	100	20, 000	20, 000	18
Total.....	4, 895	516	5, 411		116, 307	

SUMMARY.

Classes and commodities.	Tons.	Value.
Vegetable food products, oilseeds, expressed oils, and beverages.....	366	\$53, 370
Wood and paper.....	3, 500	22, 250
Nonmetallic minerals.....	1, 395	17, 437
Chemicals.....	50	3, 250
Unclassified.....	100	20, 000
Total.....	5, 411	116, 307

Vessel classification.

Classes.	Number on stream.	Number of trips.	Net reg- istered tonnage.
AMERICAN.			
Registered:			
Steamers.....	1	4	16
Gas boats.....	2	22	110
Unregistered:			
Gas boats.....	5		
Unrigged barges.....	15		
Total.....	23	26	126

BAYOU PLAQUEMINE BRULE, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.	
	Short tons.	Value.	Tons.	Value.
1916.....	8, 869	\$50, 572	7, 000	\$21, 875
1917.....	6, 588	74, 328	3, 670	18, 350
1918.....	8, 440	118, 850	4, 800	30, 000
1919.....	9, 247	126, 337	4, 800	30, 000
1920.....	9, 990	123, 500	6, 000	37, 500

There is no passenger traffic on this stream.

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Wood and paper.....			7,360		\$62,500	Miles.
Logs, floated.....	6,000			\$37,500		20
Lumber.....	860			21,500		20
Wood, cord.....	500			3,500		20
Nonmetallic minerals: Oil, fuel....	2,480		2,480	31,000	31,000	18
Unclassified: Miscellaneous mer- chandise.....		150	150	30,000	30,000	15
Total.....	9,840	150	9,990		123,500	

SUMMARY.

Classes and commodities.	Tons.	Value.
Wood and paper.....	7,360	\$62,500
Nonmetallic.....	2,480	31,000
Unclassified.....	150	30,000
Total.....	9,990	123,500

Vessel classification.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.
AMERICAN.			
Registered:			
Steamers.....	1	4	16
Gas boats.....	4	50	260
Unregistered:			
Gas boats.....	5		
Unrigged barges.....	6		
Total.....	16	54	266

CALCASIEU RIVER AND PASS, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passen- gers.
	Short tons.	Value.	Tons.	Value.	
1916.....	672,502	\$4,165,907	905,083	\$1,890,885	6,016
1917.....	767,430	8,194,972	691,585	3,457,925	6,500
1918.....	614,652	8,183,119	542,634	3,391,462	7,276
1919.....	628,739	8,401,245	556,912	3,480,700	2,500
1920.....	636,254	8,088,194	562,500	3,515,625	47,422

NOTE.—The amounts shown in columns "floated logs" are included in total columns.

[Navigation season: Jan. 1, 1920, to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair			2, 829		\$849, 000	Miles.
All animals		2, 009		\$803, 600		30
Eggs		18		9, 000		45
Fish		50		20, 000		50
Furs		2		1, 300		40
Hides		100		12, 600		45
Oysters		50		1, 750		50
Shells	600			750		30
Vegetable food products, oilseeds, expressed oils, and beverages			7, 245		1, 013, 860	
Corn		96		6, 720		35
Cotton seed		100		6, 000		45
Feed, ground		500		30, 000		35
Oats		50		3, 250		40
Potatoes		87		6, 080		45
Rice		6, 412		961, 800		45
Textiles: Cotton		12	12	7, 200	7, 200	45
Wood and paper			584, 195		3, 715, 375	
Logs floated	562, 500			3, 515, 625		15
Lumber	1, 000			25, 000		30
Shingles		695		34, 750		40
Wood, cord	20, 000			140, 000		40
Nonmetallic minerals			22, 905		45, 989	
Brick	1, 470			8, 420		45
Coal	349			2, 094		45
Oil, fuel	775			9, 687		35
Sand	20, 311			25, 388		20
Ores, metals and manufactures of, except machinery and vehicles:						
Iron and steel	526		526	63, 120	63, 120	40
Machinery and vehicles: Machinery	800		800	160, 000	160, 000	15
Chemicals: Fertilizer		50	50	3, 250	3, 250	40
Unclassified			17, 692		2, 230, 400	
Boats, barges, etc.	9, 692			726, 900		40
Ice	500			3, 500		45
Miscellaneous merchandise		7, 500		1, 500, 000		35
Total	618, 523	17, 731	636, 254		8, 068, 194	

SUMMARY.

Classes and commodities.	Tons.	Value.
Animals and animal products, except wool and hair	2, 829	\$849, 000
Vegetable food products, oilseeds, expressed oils, and beverages	7, 245	1, 013, 860
Textiles	12	7, 200
Wood and paper	584, 195	3, 715, 375
Nonmetallic minerals	22, 905	45, 989
Ores, metals and manufactures of, except machinery and vehicles	526	63, 120
Machinery and vehicles	800	160, 000
Chemicals	50	3, 250
Unclassified	17, 692	2, 230, 400
Total	636, 254	8, 068, 194

Vessel classification, 1920.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers.....	6	728	21,840	47,462
Sailing.....	3	6	80	
Gas boats.....	16	1,510	21,140	
Unregistered:				
Gas boats.....	15			
Unrigged barges.....	35			
Total.....	75	2,244	43,060	47,462

GALVESTON, TEX., DISTRICT.**GALVESTON HARBOR, TEX.¹***Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891.....	450,618	\$59,634,000	.....	1906 ²	2,602,465	\$524,017,366	.....
1892.....	445,413	51,260,000	.....	1907.....	(^a)	447,668,044	.....
1893.....	400,353	51,250,000	.....	1908.....	(^a)	426,057,806	.....
1894.....	510,679	44,003,000	.....	1909.....	3,039,822	364,413,206	.....
1895.....	820,125	56,951,000	.....	1910.....	2,505,085	378,140,062	.....
1896.....	772,596	46,490,800	.....	1911.....	3,793,273	427,016,385	.....
1897.....	1,200,822	68,261,553	.....	1912.....	4,117,524	509,181,480	.....
1898.....	2,931,064	94,596,293	.....	1913.....	5,157,421	548,272,978	.....
1899.....	2,090,572	109,208,748	.....	1914.....	5,593,725	494,820,669	.....
1900.....	1,890,513	219,934,472	.....	1915.....	6,231,575	575,170,302	.....
1901.....	1,823,826	246,567,247	.....	1916.....	3,716,753	416,453,407	.....
1902.....	1,790,977	260,837,354	.....	1917.....	3,651,393	594,888,670	5,561
1903.....	3,552,717	447,910,707	.....	1918.....	3,829,218	517,330,538	2,440
1904.....	4,517,019	544,834,044	.....	1919.....	4,081,294	862,603,653	2,100
1905.....	2,130,161	521,848,847	.....	1920.....	10,609,583.5	999,271,795	2,079
1905 ²	2,320,903	515,073,828	.....			

¹ All the foreign and coastwise commerce shown for Galveston Channel, Port Bolivar Channel, Texas City Channel, and the Houston Ship Channel passes through this entrance, and is totaled as above.

² Calendar year.

³ No statistics available.

Season of navigation: Entire year.

GALVESTON CHANNEL, TEX.**(Port of Galveston, Tex.)***Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910.....	2,513,085	\$378,140,059	.....	1916.....	3,010,241	\$359,446,829	.....
1911.....	3,111,884	371,756,124	.....	1917.....	2,965,937	562,776,884	5,561
1912.....	3,224,367	440,194,264	.....	1918.....	3,277,732	480,570,984	2,076
1913.....	4,455,068	499,022,813	.....	1919.....	3,126,957	757,739,178	2,100
1914.....	5,019,794	451,955,152	.....	1920.....	8,002,981	839,101,811	2,100
1915.....	5,336,889	510,744,587	.....			

¹ Exclusive of 446,652 tons car ferry traffic, valued at \$50,999,168, between Port Bolivar and Galveston.

² Include, 32,120 passengers carried in car ferry traffic between Galveston and Port Bolivar, Tex.

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair ..		239.5		\$27,313
Animals ..	0.5		390	
Bones and hoofs ..	100		2,400	
Butter ..	11.3		14,260	
Feathers ..	2		6,210	
Fish ..	12		1,776	
Leather manufactures ..	1		961	
Mackerel, pickled ..	10		1,422	
Shellfish ..	1		104	
Shoes ..			90	
Vegetable food products, oilseeds, expressed oils, and beverages ..		87,154		17,720,212
Cane sugar ..	62,285		15,276,570	
Cocoa ..	6		133	
Coffee ..	98		42,940	
Flaxseed ..	4,402		396,206	
Linseed ..	6,056		545,099	
Mushrooms ..			79	
Oil, olive ..	3		2,239	
Peanuts ..	5,920		955,263	
Peas ..	494		59,813	
Rice ..	32		7,108	
Sauces ..	3		2,807	
Spices ..			92	
Straw manufactures ..	3		1,036	
Tea ..	4		150	
Vegetables, prepared ..	13		2,636	
Wheat ..	7,844		428,041	
Other vegetable products, except fibers and wood ..		107.4		61,687
Cigars ..	1		2,102	
Rubber manufactures ..	5		3,262	
Seed, grass ..	62		31,952	
Seed, miscellaneous ..	40		24,179	
Tobacco manufactures ..	2		192	
Textiles ..		8,540.2		1,906,040
Cotton lace ..	22		22,260	
Carpets ..	1.5		1,467	
Cotton manufactures ..	15		14,632	
Cotton waste ..	77		11,740	
Fabrics, wool ..	1		223	
Fiber laces ..	1		1,004	
Fabrics, fiber ..	9		11,178	
Flax manufactures ..	10		4,390	
Gloves ..	8		8,990	
Hats ..	1		632	
Hair, human ..	85		62,726	
Handkerchiefs ..	5		5,212	
Laces, silk ..	15		30,922	
Linoleum ..	8		1,732	
Matting, floor ..	119		23,867	
Silk veils ..	1		2,283	
Silk, wearing apparel ..	5		8,078	
Silk, art ..	1		1,984	
Sisal ..	7,898		1,420,718	
Twine ..	18		7,200	
Wool ..	253		259,644	
Wool, wearing apparel ..	2		5,148	
Wood and paper ..		215.1		20,786
Books ..	1		1,097	
Baskets ..	3		3,003	
Cinchona bark ..	2		1,651	
Furniture ..	12		2,547	
Logs ..	69		1,452	
Lumber ..	6		469	
Mahogany ..	100		8,000	
Paper manufactures ..	2		519	
Post cards ..	1		111	
Wood manufactures ..	20		1,937	
Nonmetallic minerals ..		2,037,719		28,457,872
Beads ..	7		14,317	
Benzine ..	4		201	
Clay ..	2,055		27,697	
Coal, bituminous ..	200		2,000	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Nonmetallic minerals—Continued.				
China ware	20		\$5,880	
Diamonds			28,647	
Earthenware	15		3,017	
Glass manufactures	5		165	
Glass, plate	11		8,386	
Oil, mineral, crude	2,015,094		28,211,316	
Oil, refined	10,924		546,200	
Oil, creosote	8,522		596,563	
Precious stones			2,025	
Salt	784		9,418	
Stone, flint	78		2,040	
Ores, metals, and manufactures of, except machinery and vehicles		515		\$140,492
Bronze manufactures	1		684	
Cutlery			23	
Gold and silver manufactures			853	
Iron and steel manufactures			20	
Jewelry			960	
Metal manufactures	2		1,097	
Watches			3,600	
Wire manufactures	512		133,255	
Machinery and vehicles		163.2		18,786
Automobile parts	7		2,243	
Fans	2		929	
Machinery	126		12,605	
Machinery, textile	30		3,009	
Chemicals		3.7		4,712
Alkalies	4		282	
Chemicals	2		2,051	
Medical preparations	3		320	
Perfumery	1		2,059	
Unclassified		602.9		223,509
Art works			90,737	
Brushes	3		161	
Dolls	13		13,148	
Household effects	14		5,121	
Optical goods	1		284	
Scientific instruments			120	
Statuary			109	
Toys	10		10,920	
Umbrellas	5		402	
Miscellaneous	565		104,507	
Total		2,135,260		49,583,409
EXPORTS.				
Animals and animal products, except wool and hair				
Bacon	4	8,615	4,003	2,376,967
Beef, canned	41.3		22,899	
Butter	1.8		2,184	
Cattle	5,492		1,328,390	
Canned goods	4.6		947	
Condensed milk	13		3,761	
Eggs	1		395	
Feathers	4		149	
Fish, canned	237		73,478	
Harness and saddles	58		58,067	
Hogs	1,792		619,020	
Horses	194		40,760	
Lard	40		18,990	
Lard oil	6		2,160	
Leather manufactures	6		6,317	
Mules	589		123,682	
Oil, animal	20		9,993	
Oil, fish	16		6,867	
Oysters	2		553	
Sausage, canned	4		22,280	
Shoes	1.5		2,926	
Soups	11		2,126	
Tallow	7.5		1,492	
Tile	40		608	
Trunks	3		2,755	
Hides	30		22,135	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Vegetable food products, oilseeds, expressed oils, and beverages.....		1,597,148.1		\$135,561,836
Apples, green.....	3		855	
Barley.....	20,876		1,043,997	
Beverages.....	2		397	
Breadstuffs.....	2,440		368,607	
Bran.....	130		6,670	
Cereals.....	5		207	
Cheese.....	5		535	
Cocoa.....	3		204	
Coffee.....	2		1,461	
Confectionery.....	3		264	
Corn, fresh.....	2,475		118,046	
Corn, canned.....	8		1,072	
Cottonseed cake.....	58,660		3,226,219	
Cottonseed meal.....	5,632		312,124	
Feed, mill.....	90		800	
Flour, wheat.....	24,512		3,877,945	
Fruits, dried.....	235		37,776	
Hay.....	13		500	
Linters, cotton.....	1,202		120,364	
Meal, corn.....	1		153	
Molasses.....	5		49	
Nuts.....	1		364	
Oatmeal.....	2		250	
Oats.....	36		2,250	
Oil, bean.....	39		17,641	
Oil, linseed.....	4		2,206	
Oil, olive.....	5		7,815	
Oil, peanut.....	2		50	
Oil, vegetable.....	14		5,769	
Peaches, canned.....	427		170,757	
Pears, ripe.....	5		1,063	
Pears, canned.....	15		58,705	
Peas.....	6,761		1,161,879	
Pickles.....	10		2,077	
Pineapple, canned.....	223		109,441	
Potatoes.....	7		694	
Preserves.....	400		164,197	
Prunes, dried.....	211		61,644	
Raisins.....	20		5,851	
Rice.....	10,379		1,933,257	
Rye.....	13,907		1,006,249	
Soap.....	816		122,420	
Sugar, refined.....	15		3,849	
Tea.....	5		570	
Tomatoes, canned.....	5		873	
Vegetables, fresh.....	18		1,832	
Vegetables, canned.....	66		10,594	
Vinegar.....	1		216	
Wheat.....	1,447,482		121,588,548	
Other vegetable products, except fibers and wood.....		1,600.4		247,062
Rosin.....	757		56,296	
Rubber belting.....	11		6,568	
Rubber autocasings.....	9		5,965	
Rubber hose.....	10		6,174	
Rubber manufactures.....	4		2,172	
Seed, cotton.....	51		8,022	
Starch.....	558		78,239	
Tobacco manufactures.....	4		782	
Broom corn.....	200		82,844	
Textiles.....		845,316		420,515,328
Blankets, cotton.....	30		23,560	
Cotton.....	840,512		418,927,582	
Cotton manufactures.....	15		14,785	
Cordage.....	12		6,267	
Fiber bags.....	1,437		711,077	
Fiber manufactures.....	47		23,648	
Hair, animal.....	1.5		341	
Hosiery.....	5		821	
Ixtle.....	3,168		670,097	
Mill waste.....	64		17,654	
Oakum.....	2		755	
Underwear.....	5		480	
Wearing apparel, cotton.....	7		69,998	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Textiles—Continued.				
Wearing apparel, wool.....	14		\$36,032	
Wool blankets.....	1.5		3,189	
Wool manufactures.....	4		9,033	
Wood and paper.....		30,061		\$2,770,149
Books.....	14		28,255	
Chairs.....	1		214	
Cypress boards.....	18		1,376	
Furniture.....	87		17,412	
Fir boards.....	3,260		434,762	
Gum boards.....	450		20,502	
Logs.....	117		9,316	
Mangrove bark.....	127		24,200	
Oak boards.....	1,330		106,317	
Paper, carbon.....	1		1,975	
Paper, miscellaneous.....	37		6,506	
Paper, writing.....	27		27,192	
Pine boards.....	3,320		265,620	
Redwood boards.....	60		4,490	
Roofing felt.....	24		4,881	
Shingles.....	36		2,150	
Spruce boards.....	5,300		710,280	
Staves.....	13,309		848,313	
Shooks, box.....	911		9,118	
Trimming.....	4		455	
Wood manufactures.....	2,468		246,815	
Nonmetallic minerals.....		45,467		1,472,652
Abasives.....	12		2,165	
Asbestos.....	155		7,780	
Asphaltum.....	547		15,824	
Brick.....	621		9,315	
Cement.....	825		27,775	
Candles.....	6		2,633	
China ware.....	3		470	
Coal, bituminous.....	24		312	
Fire clay.....	98		1,871	
Glass bottles.....	100		3,414	
Glass, window.....	60		1,867	
Gasoline.....	28		2,940	
Lamps.....	20		5,523	
Lubricating grease.....	390		27,450	
Lubricating oil.....	6,612		482,676	
Naphtha.....	321		27,149	
Oil, fuel and gas.....	8,250		214,580	
Oil, mineral, crude.....	4,186		71,479	
Oil, paraffin.....	1,474		115,707	
Paraffin, refined.....	287		55,989	
Salt.....	182		2,553	
Sulphur.....	21,276		393,220	
Ores, metals, and manufactures of, except machinery and vehicles.....		65,098.4		10,038,975
Agricultural implements.....	255		63,711	
Aluminum manufactures.....	1		744	
Antimony.....	277		25,000	
Babbitt metal.....	2		1,208	
Boilers.....	180		53,651	
Boiler tubes.....	160		34,367	
Bolts and nuts.....	62		9,597	
Brass.....	62		24,800	
Clocks.....	.1		214	
Copper, refined.....	1,135		306,533	
Copper wire.....	2.8		2,823	
Cultery.....	.2		202	
Enamel ware.....	1.7		1,045	
Galvanized sheets and plates.....	123		26,174	
Gold and silver.....			150	
Hay rakes.....	42		10,583	
Hardware.....	91		27,296	
Iron sheets.....	418		50,606	
Iron and steel manufactures.....	1,008		230,846	
Iron and steel, scrap.....	1,000		26,000	
Iron and steel ingots.....	1,668		99,070	
Iron and steel, structural.....	928		94,853	
Locks.....	.1		221	
Metal manufactures.....	.3		1,830	
Nails.....	53		6,563	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Ores, metals, and manufactures of, except machinery and vehicles—Continued.				
Ore.....	101		\$32,283	
Pipe, cast iron.....	387		41,579	
Pipe, wrought iron.....	2,957		416,543	
Radiators.....	242		31,410	
Steel bars and rods.....	364		42,268	
Steel plates and sheets.....	1,252		112,744	
Steel ship plates.....	162		22,000	
Stoves.....	90		11,523	
Spelter, zinc.....	28,625		4,619,237	
Tools.....	165		49,427	
Wire.....	13		17,222	
Wire rope and cable.....	66		39,703	
Wheels, car.....	34		33,835	
Zinc sheets.....	323		51,666	
Zinc ore products.....	23,447		3,429,959	
Machinery and vehicles.....		1,652.1		\$565,453
Air compressors.....	7		2,179	
Automobiles.....	107		107,385	
Batteries.....	1		377	
Boats, motor.....	3		2,500	
Dynamos.....	34		13,636	
Electrical goods.....	15		30,653	
Engines, miscellaneous.....	40		12,021	
Fans.....			153	
Machines, adding.....			3,536	
Machinery, gasoline.....	35		10,499	
Machinery, metal working.....	33		9,971	
Machinery, oil well.....	241		72,282	
Machinery, steam engine.....	60		18,034	
Machinery, pumps.....	59		17,840	
Machinery, laundry.....	9		2,620	
Machinery, wood-working.....	3		869	
Machinery, road-making.....	5		1,463	
Motorcycles.....	1		1,580	
Meters, gas and water.....	1		1,200	
Mowers and reapers.....	880		219,843	
Printing presses.....	1		378	
Plows.....	5		1,020	
Typewriters.....	1		1,481	
Tractors, gasoline.....	60		18,158	
Vehicles.....	25		7,650	
Wagons.....	27		8,155	
Chemicals.....		319.8		47,323
Acids.....	2		106	
Baking powder.....	3		139	
Chemicals.....	3.5		3,587	
Fertilizer.....	30		1,812	
Lead, red and white.....	16		4,897	
Medical preparations.....	1		1,072	
Paint.....	51		20,100	
Soda ash.....	42		2,584	
Sulphuric acid.....	9		482	
Soda, caustic.....	165		12,544	
Unclassified.....		269.7		93,946
Art works.....			335	
Brushes.....	2		173	
Candles.....	6		2,633	
Cameras.....			109	
Dolls.....	1		1,000	
Fire extinguishers.....	1		2,051	
Household effects.....	80		29,531	
Ink.....	1		938	
Merchandise, general.....	166		49,824	
Notions.....	5		509	
Pencils.....	1		1,749	
Penholders.....			397	
Phonographs.....	5		1,183	
Pianos.....	1		657	
Refrigerators.....	5		143	
Scientific instruments.....	1		2,714	
Total.....	2,506,167.5		573,680,681	
Total imports and exports.....	4,731,427.5		623,273,060	

Freight traffic, 1920—Continued.

DOMESTIC.

[Average haul, New York to Galveston, Tex., 2,000 miles.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair.....			1, 192		\$366, 367
Fish and animals.....		985		\$200, 144	
Fresh meat.....		64		28, 800	
Leather and leather manufacturers.....		143		137, 423	
Vegetable food products, oilseeds, ex- pressed oils, and beverages.....			33, 878		10, 428, 067
Agricultural products.....		134		8, 040	
Animal and poultry food.....		100		6, 000	
Berries and fruit.....		68		10, 898	
Beans, dried.....		32		3, 808	
Corn.....		28		4, 880	
Citrus fruits.....		26		7, 800	
Canned goods.....		6, 167		1, 233, 400	
Confectionery.....		314		314, 000	
Coffee.....		2, 687		1, 176, 908	
Dried fruits.....		504		151, 200	
Dried vegetables.....		60		9, 600	
Flour and meal.....		106		16, 642	
Groceries.....		4, 486		1, 345, 800	
Green vegetables.....		18		2, 736	
Hay and straw.....		32		896	
Honey and beeswax.....		22		35, 200	
Molasses.....		205		35, 260	
Melons.....		18		2, 160	
Nuts.....		665		332, 500	
Oil, vegetable.....		72		32, 000	
Potatoes.....		7, 866		733, 428	
Preserves and pickles, canned.....		10, 001		4, 900, 490	
Sugar.....		245		60, 025	
Vinegar and cider.....		22		4, 400	
Other vegetable products, except fiber and wood.....			482		343, 984
Hops.....		16		9, 600	
Nursery stock.....		13		13, 000	
Tobacco.....		84		168, 000	
Rubber and rubber manufactures.....		180		103, 500	
Seeds.....		61		31, 964	
Starch.....		128		17, 920	
Textiles.....			45, 437		31, 698, 456
Bags and bagging.....		22, 971		10, 337, 000	
Carpets and rugs.....		108		108, 000	
Cotton and cotton linters.....		100		50, 700	
Cordage.....		1, 418		709, 000	
Clothing.....		17, 320		17, 320, 000	
Dry goods.....		1, 669		1, 669, 000	
Oilcloth.....		1, 745		1, 396, 000	
Wool and mohair.....		106		108, 756	
Wood and paper.....			21, 329		7, 114, 580
Books and tablets.....		3, 976		3, 976, 000	
Building paper.....		277		19, 390	
Cooperage.....		33		2, 310	
Furniture.....		756		151, 200	
Lumber and wood manufactures.....		4		400	
Newsprint.....		4, 304		516, 480	
Paper.....		9, 883		1, 976, 600	
Roofing, prepared.....		680		47, 600	
Tissue paper.....		1, 307		392, 100	
Wall paper.....		72		28, 800	
Woodenware.....		37		3, 700	
Nonmetallic minerals.....			36, 115		795, 778
Asphaltum.....		114		1, 958	
Cement.....		832		12, 480	
Crocery.....		22		3, 520	
Glassware.....		124		19, 840	
Mineral products.....		238		23, 800	
Oil, mineral.....	30, 742			614, 840	
Plaster.....		168		3, 260	
Stone, marble, etc.....		3, 857		115, 710	
Tile.....		18		270	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE—continued.					
Ores, metals, and manufactures of, except machinery and vehicles.....			23, 658		\$4, 182, 992
Bar, band and hoop.....		4, 351		\$594, 716	
Billets.....		184		21, 344	
Boiler plate.....		963		85, 770	
Bolts, nuts, etc.....		744		114, 576	
Brass, copper, etc.....		406		162, 400	
Cans, tin.....		9		2, 700	
Castings and forgings.....		5, 003		600, 390	
Hardware.....		1, 411		425, 300	
Horseshoes.....		47		6, 580	
Iron and steel manufactures.....		1, 203		275, 487	
Junk.....	388			10, 088	
Lead and zinc.....		18		2, 892	
Nails and wire.....		981		225, 060	
Pipe.....		437		58, 995	
Steel rails.....		2, 526		442, 050	
Stoves and ranges.....		133		39, 900	
Structural steel.....		2, 803		285, 804	
Tin plate.....		73		14, 600	
Tinware.....		1, 442		576, 800	
Wire rope.....		546		327, 600	
Machinery and vehicles.....			10, 676		2, 988, 500
Agricultural implements.....		293		58, 600	
Automobiles.....		140		140, 000	
Bicycles and motor cycles.....		25		50, 000	
Dips and sprays.....		39		19, 500	
Electrical machinery.....		1, 282		512, 800	
Electrical appliances.....		1, 560		624, 000	
Heating apparatus.....		158		47, 400	
Machinery and pumps.....		2, 006		601, 800	
Miscellaneous manufactures.....		1, 006		100, 600	
Plumbers' supplies.....		148		29, 600	
Rolling stock.....		573		114, 600	
Railway material.....		3, 446		689, 600	
Chemicals.....			8, 854		4, 060, 922
Alcohol.....		17		3, 400	
Ammunition.....		1, 465		1, 342, 340	
Borax.....		15		4, 200	
Chemicals.....		1, 133		1, 133, 000	
Explosives.....		25		22, 900	
Malt liquors.....		52		38, 000	
Mineral waters.....		171		63, 270	
Paints and varnish.....		2, 006		942, 820	
Soap.....		2, 828		424, 200	
Sodas.....		1, 142		86, 792	
Unclassified.....			2, 452		1, 028, 600
Household goods.....		10		3, 600	
Matches.....		117		46, 800	
Miscellaneous products.....		1, 686		339, 200	
Musical instruments.....		639		639, 000	
Total.....	31, 130	152, 943	184, 073		63, 008, 246
SHIPMENTS.					
Animals and animal products, except wool and hair.....			1, 657		896, 299
Fish and animals.....		53		9, 540	
Fresh meats.....		99		44, 550	
Hides, pelts, etc.....		371		273, 427	
Lard.....		1, 072		509, 200	
Leather and leather manufactures.....		62		59, 582	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			134, 777		40, 877, 222
Agricultural products.....		879		52, 740	
Barley.....		23, 461		1, 137, 050	
Berries and fruit.....		31		9, 300	
Beans, dried.....		7, 881		2, 456, 797	
Corn.....		30		4, 800	
Cottonseed products.....		920		49, 680	
Cotton.....		56, 049		28, 024, 500	
Dried vegetables.....		103		30, 900	
Flour and meal.....		5, 550		871, 350	
Fruits, dried.....		368		110, 400	
Groceries.....		39		11, 700	
Honey and beeswax.....		19		30, 400	
Mill products.....		388		44, 620	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS—continued.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages—Continued.					
Milo maize.....		1,830		\$109,800	
Nuts.....		14		7,000	
Preserves and pickles.....		5,561		2,724,890	
Rice.....		18,435		3,428,910	
Rice bran.....		3,600		180,000	
Rice flour.....		6,045		949,065	
Sisal.....		3,574		643,320	
Other vegetable products, except fibers and wood.....			1,831		\$814,688
Broom root.....		434		130,200	
Hops.....		317		190,200	
Rubber manufactures.....		350		201,250	
Seeds.....		427		223,748	
Tar and pitch.....		247		17,290	
Tobacco.....		56		52,000	
Textiles.....			46,799		29,683,962
Bags and bagging.....		106		47,700	
Carpets and rugs.....		36		36,000	
Cotton and linters.....		22,489		11,244,500	
Dry goods.....		98		98,000	
Fibers.....		5,722		1,144,400	
General merchandise.....		2,337		701,100	
Lino'eum.....		24		9,600	
Wool and mohair.....		15,987		16,402,662	
Wood and paper.....			155,597		7,029,097
Cooperage.....		8		560	
Forest products.....		228		15,960	
Lumber.....	144,409			5,776,360	
Lumber and manufactures of.....		8,818		881,800	
Poles and posts.....		713		56,327	
Roofing, prepared.....		27		1,890	
Tissue paper.....		174		52,200	
Wrapping paper.....		1,220		244,000	
Nonmetallic minerals.....			1,843,044		37,010,806
Asphaltum.....		158		2,698	
Cement.....		334		5,010	
Mineral products.....		1,902		190,200	
Oil, mineral.....	1,838,816			36,776,320	
Plaster.....		1,834		36,690	
Ores, metals, and manufactures of, except machinery and vehicles.....			411,423		24,716,846
Bar, band and hoop.....		9		1,044	
Copper bullion.....		59,936		16,182,720	
Junk.....	48			1,248	
Ore and copper.....		7,920		2,138,400	
Structural steel.....		93		9,486	
Sulphur.....	343,248			6,350,088	
Tin plate.....		169		33,800	
Machinery and vehicles.....			350		104,200
Automobiles.....		22		22,000	
Machinery, electrical.....		58		23,200	
Machinery and pumps.....		50		15,000	
Miscellaneous manufactures.....		220		44,000	
Chemicals.....			2,975		10,598,850
Alcoholic liquors.....		2,018		10,090,000	
Ammunition.....		24		19,200	
Chemicals.....		171		171,000	
Malt liquors.....		49		39,200	
Paints and varnish.....		690		276,000	
Soap.....		23		3,450	
Unclassified.....			396		119,185
Ores and concentrates.....		215		68,585	
Miscellaneous products.....		163		32,600	
Musical instruments.....		18		18,000	
Total.....	2,326,521	272,328	2,598,849		151,851,245
Total receipts and shipments.....	2,357,651	425,271	2,782,922		214,850,491
LOCAL FREIGHT TRAFFIC. ¹					
Animals and animal products, except wool and hair: Mud shell.....	488,632		488,632		960,260

¹ Average haul 15 miles.

Freight traffic, 1920—Continued.

RAILROAD CAR-FERRY TRAFFIC.

(Galveston to Port Bolivar.)

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Creosote.....	3,960	\$279,300	Merchandise.....	10,500	\$3,150,000
Cotton.....	20,520	10,260,000	Machinery.....	5,820	1,746,000
Coal and coke.....	3,900	50,000	Miscellaneous.....	77,040	23,112,000
Flour.....	14,800	2,323,000	Rice, rough.....	13,980	349,500
Fuel oil.....	115,220	1,958,740	Roain.....	7,020	519,480
Grain and feed.....	17,160	1,029,600	Shell.....	9,240	6,468
Live stock.....	3,600	360,000			
Lumber.....	143,882	5,754,480	Total.....	446,652	50,899,168

In addition to the above 4,457 empty cars were transferred on the car ferry during the year. Total cars moved loaded and empty, 12,402.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value
Animals and animal products, except wool and hair.....	239.5	\$27,313	8,615	\$2,376,957
Vegetable food products, oil seeds, expressed oils and beverages.....	87,154	17,720,212	1,597,148.1	135,561,836
Other vegetable products, except fibers and wood..	107.4	61,687	1,600.4	247,062
Textiles.....	8,540.2	1,906,040	845,316	420,515,328
Wood and paper.....	215.1	20,786	30,081	2,770,149
Nonmetallic minerals.....	2,037,719	29,457,872	45,467	1,472,662
Ores, metals, and manufactures of, except machinery and vehicles.....	515	140,492	65,698.4	10,038,975
Machinery and vehicles.....	163.2	18,786	1,652.1	565,453
Chemicals.....	3.7	4,712	319.8	47,323
Unclassified.....	602.9	225,509	269.7	98,946
Total.....	2,135,260	49,583,409	2,596,167.5	573,689,681

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Local.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	2,849	\$1,262,666	488,632	\$969,230	500,335.5	\$4,636,166
Vegetable food products, oil seeds, expressed oils, and beverages.....	168,655	51,305,289			1,852,957.1	204,587,387
Other vegetable products, except fibers and wood.....	2,313	1,158,672			4,020.8	1,467,421
Textiles.....	92,236	61,382,418			946,092.2	483,806,796
Wood and paper.....	176,926	14,143,677			207,222.1	16,934,612
Nonmetallic minerals.....	1,879,159	37,806,674			3,962,345	68,737,196
Ores, metals and manufactures of, except machinery and vehicles.....	435,081	28,899,838			501,294.4	39,079,305
Machinery and vehicles.....	11,026	3,092,700			12,841.3	3,676,839
Chemicals.....	11,829	14,659,772			12,152.5	14,711,807
Unclassified.....	2,848	1,147,785			3,720.6	1,467,240
Total.....	2,782,922	214,859,491	488,632	969,230	8,002,981.5	839,101,811

Car-ferry traffic, short tons, 446,652; value, \$50,899,168.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS—continued.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages—Continued.					
Milo maize.....		1,830		\$109,800	
Nuts.....		14		7,000	
Preserves and pickles.....		5,561		2,724,890	
Rice.....		18,435		3,428,910	
Rice bran.....		3,600		180,000	
Rice flour.....		6,045		949,065	
Sisal.....		3,574		643,320	
Other vegetable products, except fibers and wood.....			1,831		\$814,688
Broom root.....		434		130,200	
Hops.....		317		190,200	
Rubber manufactures.....		350		201,250	
Seeds.....		427		223,748	
Tar and pitch.....		247		17,290	
Tobacco.....		56		52,000	
Textiles.....			46,799		29,683,962
Bags and bagging.....		106		47,700	
Carpets and rugs.....		36		36,000	
Cotton and linters.....		22,489		11,244,500	
Dry goods.....		98		98,000	
Fibers.....		5,722		1,144,400	
General merchandise.....		2,337		701,100	
Lino'eum.....		24		9,600	
Wool and mohair.....		15,987		16,402,662	
Wood and paper.....			155,597		7,029,097
Cooperage.....		8		560	
Forest products.....		228		15,960	
Lumber.....	144,409			5,776,360	
Lumber and manufactures of.....		8,818		881,800	
Poles and posts.....		713		56,327	
Roofing, prepared.....		27		1,890	
Tissue paper.....		174		52,200	
Wrapping paper.....		1,220		244,000	
Nonmetallic minerals.....			1,843,044		37,010,896
Asphaltum.....		158		2,686	
Cement.....		334		5,010	
Mineral products.....		1,902		190,200	
Oil, mineral.....	1,838,816			36,776,320	
Plaster.....		1,834		36,680	
Ores, metals, and manufactures of, except machinery and vehicles.....			411,423		24,716,846
Bar, band and hoop.....		9		1,044	
Copper bullion.....		59,936		16,182,720	
Junk.....	48			1,248	
Ore and copper.....		7,920		2,138,400	
Structural steel.....		93		9,486	
Sulphur.....	343,248			6,350,088	
Tin plate.....		169		33,800	
Machinery and vehicles.....			350		104,200
Automobiles.....		22		22,000	
Machinery, electrical.....		58		23,200	
Machinery and pumps.....		50		15,000	
Miscellaneous manufactures.....		220		44,000	
Chemicals.....			2,975		10,568,850
Alcoholic liquors.....		2,018		10,090,000	
Ammunition.....		24		19,200	
Chemicals.....		171		171,000	
Malt liquors.....		49		39,200	
Paints and varnish.....		690		276,000	
Soap.....		23		3,450	
Unclassified.....			396		119,185
Ores and concentrates.....		215		68,585	
Miscellaneous products.....		163		32,600	
Musical instruments.....		18		18,000	
Total.....	2,326,521	272,328	2,598,849		151,851,245
Total receipts and shipments.....	2,357,651	425,271	2,782,922		214,859,491
LOCAL FREIGHT TRAFFIC. ¹					
Animals and animal products, except wool and hair: Mud shell.....	488,632		488,632		960,260

¹ Average haul 15 miles.

Freight traffic, 1920—Continued.

RAILROAD CAR-FERRY TRAFFIC.

(Galveston to Port Bolivar.)

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Creosote.....	3,990	\$279,300	Merchandise.....	10,500	\$3,150,000
Cotton.....	20,520	10,260,000	Machinery.....	5,820	1,746,000
Coal and coke.....	3,900	50,000	Miscellaneous.....	77,040	23,112,000
Flour.....	14,800	2,323,600	Rice, rough.....	13,980	349,500
Fuel oil.....	115,220	1,958,740	Rosin.....	7,020	519,480
Grain and feed.....	17,160	1,029,600	Shell.....	9,240	6,468
Live stock.....	3,600	360,000			
Lumber.....	143,862	5,754,480	Total.....	446,652	50,899,168

In addition to the above 4,457 empty cars were transferred on the car ferry during the year. Total cars moved loaded and empty, 12,402.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	239.5	\$27,313	8,615	\$2,376,957
Vegetable food products, oil seeds, expressed oils and beverages.....	87,154	17,720,212	1,597,148.1	135,561,836
Other vegetable products, except fibers and wood.....	107.4	61,687	1,600.4	247,062
Textiles.....	8,540.2	1,906,040	845,316	420,515,328
Wood and paper.....	215.1	20,788	30,081	2,770,149
Nonmetallic minerals.....	2,037,719	29,457,872	45,467	1,472,652
Ores, metals, and manufactures of, except machinery and vehicles.....	515	140,492	65,698.4	10,038,975
Machinery and vehicles.....	163.2	18,786	1,652.1	565,453
Chemicals.....	3.7	4,712	319.8	47,323
Unclassified.....	602.9	225,509	269.7	98,946
Total.....	2,135,260	49,583,409	2,596,167.5	573,689,681

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Local.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	2,849	\$1,262,666	488,632	\$969,230	500,335.5	\$4,636,166
Vegetable food products, oil seeds, expressed oils, and beverages.....	168,655	51,305,289			1,852,957.1	204,587,367
Other vegetable products, except fibers and wood.....	2,313	1,158,672			4,020.8	1,467,421
Textiles.....	92,236	61,382,418			946,092.2	483,803,786
Wood and paper.....	176,926	14,143,677			207,222.1	16,934,612
Nonmetallic minerals.....	1,879,159	37,806,674			3,962,345	68,737,196
Ores, metals and manufactures of, except machinery and vehicles.....	435,081	28,899,838			501,294.4	39,079,305
Machinery and vehicles.....	11,026	3,092,700			12,841.3	3,676,939
Chemicals.....	11,829	14,659,772			12,152.5	14,711,807
Unclassified.....	2,848	1,147,785			3,720.6	1,467,240
Total.....	2,782,922	214,859,491	488,632	969,230	8,002,981.5	839,101,811

Car-ferry traffic, short tons, 446,652; value, \$50,899,168.

Vessel classification, 1920.

Classes.	Number.	Tonnage.	Average draft loaded.
American vessels entered foreign:			<i>Fet.</i>
Steam.....	448	1, 246, 378	27
Sail.....	2	3, 067	20½
Foreign vessels entered foreign:			
Steam.....	288	819, 336	27
Sail.....	7	4, 068	20½
Total.....	745	2, 072, 849	.....
American vessels cleared foreign:			
Steam.....	585	1, 592, 917	23½
Sail.....	7	8, 627	20½
Foreign vessels cleared foreign:			
Steam.....	355	987, 202	23
Sail.....	7	4, 761	20½
Total.....	954	2, 593, 507	.....
American vessels entered coastwise:			
Steam.....	212	309, 562	18½
Sail.....	132	7, 920	10
Foreign vessels entered coastwise:			
Steam.....	9	13, 677	20½
Sail.....	2	2, 901	21
Total.....	355	332, 060	.....
American vessels cleared coastwise:			
Steam.....	205	332, 251	20½
Sail.....	132	7, 920	10
Foreign vessels cleared coastwise:			
Steam.....	9	13, 677	20½
Sail.....	2	2, 901	21
Total.....	348	356, 749	.....
Grand total.....	2, 402	5, 355, 165	.....
LOCAL TRAFFIC.			
Tugs.....	12	114	10
Barges.....	10	2, 500	7
Total.....	12	2, 614	.....

¹ Number of tugs and barges regularly used in hauling mud shell to Galveston. The number of trips made by each was not obtained.

CHANNEL FROM GALVESTON HARBOR TO TEXAS CITY, TEX.

TEXAS CITY, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1906.....	58, 258	\$3, 697, 757	1914.....	301, 106	\$32, 020, 182
1907.....	77, 464	6, 867, 773	1915.....	309, 789	41, 468, 434
1908.....	155, 999	21, 605, 626	1916.....	265, 133	43, 531, 850
1909.....	179, 999	34, 138, 444	1917.....	283, 279	15, 578, 965
1910.....	385, 740	47, 843, 195	1918.....	376, 986	20, 307, 786
1911.....	449, 687	51, 534, 261	1919.....	501, 752	41, 036, 030
1912.....	464, 237	63, 000, 436	1920.....	2, 399, 367	79, 285, 160
1913.....	446, 228	62, 794, 347			

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Oil, crude.....	171,451	171,451	\$2,400,314	\$2,400,314
Textiles: Sisal.....	7,331	7,331	1,319,580	1,319,580
Ores, metals and manufactures of, except machinery and vehicles: Ore.....	1,279	1,279	408,001	408,001
Total.....		180,061		4,127,895
EXPORTS.				
Animals and animal products, except wool and hair ..		306		50,420
Hides.....	19		5,700	
Skins (kid).....	5		8,000	
Tallow.....	36		7,200	
Wax.....	246		29,520	
Vegetable food products, oilseeds, expressed oils, and beverages.....		83,193		7,713,038
Beans.....	1,225		428,750	
Canned goods.....	1,024		204,800	
Corn.....	720		115,200	
Flour.....	2,508		398,442	
Rice.....	417		77,562	
Wheat.....	77,301		6,493,284	
Textiles.....		49,996		24,290,120
Cotton.....	47,812		23,908,000	
Ixtle.....	36		6,480	
Sisal.....	2,148		386,640	
Wood and paper.....		11,151		472,692
Box shooks.....	127		12,700	
Lumber.....	10,231		409,240	
Staves.....	793		50,752	
Nonmetallic minerals.....		136,699		2,731,431
Fire brick.....	614		9,210	
Oil, crude.....	55,061		1,046,159	
Oil, lubricating.....	1,745		209,400	
Sulphur.....	79,279		1,466,662	
Ores, metals, and manufactures of, except machinery and vehicles.....		11,295		1,840,350
Beams.....	30		3,060	
Drums, steel.....	58		14,000	
Pipe, wrought iron.....	58		8,178	
Plates, steel.....	54		7,544	
Spelter.....	8,348		1,344,028	
Tank material.....	1,515		206,040	
Tin plates.....	1,175		235,000	
Tubes, steel.....	57		22,500	
Machinery and vehicles.....		113		92,000
Automobiles.....	83		83,000	
Tractors.....	30		9,000	
Chemicals.....		231		21,996
Soda, caustic.....	171		12,996	
Soap.....	60		9,000	
Unclassified miscellaneous products.....	2,385	2,385	347,151	347,151
Total.....		295,369		37,568,198
Total imports and exports.....		475,430		41,696,093

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, COASTWISE.						
Nonmetallic minerals.....			14,220		\$283,815	Miles.
Cement.....		117		\$1,755		2,000
Oil, crude.....	14,103			282,060		40
Ores, metals, and manufactures of, except machinery and vehicles:						
Pipe.....		10	10	1,410	1,410	2,000
Total.....	14,103	127	14,230		285,225	
SHIPMENTS, COASTWISE.						
Nonmetallic minerals.....			1,874,075		37,300,612	
Oil, crude.....	1,753,483			35,069,660		2,000
Sulphur, crude.....	120,592			2,230,952		2,000
Total.....	1,874,075		1,874,075		37,300,612	
Total receipts and ship- ments, coastwise.....	1,888,178	127	1,888,305		37,585,837	
LOCAL FREIGHT TRAFFIC.						
Animals and animal products, ex- cept wool and hair: Mudshell....	5,632		5,632	3,230	3,230	15
Total.....	5,632		5,632		3,230	
Total domestic traffic.....	1,893,810	127	1,893,937		37,589,067	

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair			306	\$50,420
Vegetable food products, oil seeds, expressed oils and beverages.....			83,193	7,713,038
Textiles.....	7,331	\$1,319,580	49,996	24,299,120
Wood and paper.....			11,151	472,662
Nonmetallic minerals.....	171,451	2,400,314	136,699	2,731,431
Ores, metals, and manufactures of, except machinery and vehicles.....	1,279	406,001	11,295	1,840,350
Machinery and vehicles.....			113	92,000
Chemicals.....			231	21,998
Unclassified.....			2,385	347,151
Total.....	180,061	4,127,895	295,369	37,568,198

Freight traffic, 1920—Continued.

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			5,632	\$3,230	5,938	\$53,650
Vegetable food products, oil seeds, expressed oils and beverages.....					83,193	7,713,038
Textiles.....					57,327	25,618,700
Wood and paper.....					11,151	472,692
Nonmetallic minerals.....	1,888,295	\$37,584,427			2,196,445	42,716,172
Ores, metals, and manufactures of, except machinery and vehicles.....	10	1,410			12,584	2,249,761
Machinery and vehicles.....					113	92,000
Chemicals.....					231	21,996
Unclassified.....					2,385	347,151
Total.....	1,888,305	37,585,837	5,632	3,230	2,369,367	79,285,160

Vessel classification.

Classes.	Arrivals and departures.			Net registered tonnage.	Average draft loaded.
	American.	Foreign.	Total.		
Registered:					<i>Fect.</i>
Steamer.....	358	28	386	1,167,713	264
Sailing.....	2		2	2,129	224
Unregistered barges.....			76	8,968	7
Total.....	360	28	464	1,178,810	

All the above statistics were furnished by the Texas City Terminal Co. It is stated by this company that "owing to the excellent bunkering facilities maintained at Texas City, 70 vessels operated by United States Shipping Board were bunkered at this port during the year 1920 receiving 435,430 barrels of crude oil, valued at \$1,000,000. These vessels were loaded at Galveston, Houston, and other Gulf ports."

CHANNEL TO PORT BOLIVAR, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Car-ferry traffic.		
			Tons.	Value.	Passengers.
1908.....	50,000	\$5,578,705			
1909.....	81,891	6,444,318			
1910.....	180,666	6,964,331			
1911.....	231,702	3,736,000			
1912.....	428,495	5,987,330			
1913.....	256,105	6,455,818			
1914.....	267,640	10,762,335			
1915.....	182,450	7,559,765			
1916.....	163,787	1,607,175	110,119	\$6,403,631	
1917.....	119,996	329,432	89,231	9,064,511	
1918.....	112,325	246,804	88,740	8,180,115	
1919.....	15,900	239,500	215,660	25,553,550	
1920.....	16,878	675,120	446,652	50,899,168	32,170

¹ Imports, exports and coastwise only.

Figures for 1908 to 1915, inclusive, do not show car-ferry traffic separately.

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber	16,878	16,878	\$675,120	\$675,120

RAILROAD CAR-FERRY TRAFFIC.

Commodities.	Amounts in short tons.	Value.	Commodities.	Amounts in short tons.	Value.
Cresosote.....	3,990	\$279,300	Merchandise.....	10,500	\$3,150,000
Cotton.....	20,520	10,260,000	Machinery.....	5,820	1,746,000
Coal and coke.....	3,900	50,000	Miscellaneous.....	77,040	23,112,000
Flour.....	14,800	2,323,600	Rice, rough.....	13,980	349,500
Fuel oil.....	115,220	1,958,740	Rosin.....	7,020	519,480
Grain and feed.....	17,160	1,029,600	Shell.....	9,240	6,468
Live stock.....	3,600	360,000			
Lumber.....	143,862	5,754,480	Total.....	446,652	50,899,168

In addition to the above 4,457 empty cars were transferred on the car ferry during the year. Total cars moved loaded and empty, 12,402.

Vessel classification.

Classes.	American vessels cleared, foreign.	Local barge traffic, arrivals and departures.	Total.	Net registered tonnage.	Average draft loaded.
Steam.....	3		3	4,000	<i>Fect.</i> 24.0
Sail.....	12		12	9,600	20.6
Barges.....		1,095	1,095	516,840	7.0
Tugs.....		1,095	1,095	96,360	10.5
Total.....	15	2,190	2,205	626,800	.....

Passengers carried, 82,120.

The Port Bolivar car ferry makes two regular trips a day between Galveston and Port Bolivar with passenger trains, and averages one round trip a day with freight tonnage.

The above statistics were obtained from foreign freight agent of Gulf, Colorado & Santa Fe Railway Co., who handles the business of this port.

Draft of transfer barge 7 feet loaded. Draft of tug *Terry* handling the barge 10½ feet.

HOUSTON SHIP CHANNEL, TEX.

HOUSTON, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1905.....	104, 907	\$12, 544, 323	.....	1913.....	1, 860, 452	38, 738, 464	.....
1906.....	132, 108	(1)	.....	1914.....	1, 070, 700	24, 382, 700	.....
1907.....	452, 463	24, 466, 730	.....	1915.....	1, 656, 347	31, 406, 916	.....
1908.....	602, 734	28, 318, 621	.....	1916.....	1, 294, 309	32, 174, 971	.....
1909.....	1, 214, 904	36, 097, 560	.....	1917.....	1, 161, 424	35, 530, 279	.....
1910.....	1, 371, 650	39, 155, 357	.....	1918.....	2, 388, 066	116, 332, 138	366
1911.....	1, 354, 897	34, 721, 530	.....	1919.....	1, 287, 972	85, 034, 834	.....
1912.....	1, 366, 050	35, 938, 800	.....	1920.....	1, 210, 204	102, 068, 452	43, 100

¹ No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair:				
Bones.....	7, 300	7, 300	\$175, 200	\$175, 200
Vegetable food products, oil seeds, expressed oils, and beverages: Molasses (crude "Black-strap") in bulk...	13, 775	13, 775	347, 000	347, 000
Nonmetallic minerals: Oil, crude.....	187, 587	187, 587	2, 626, 218	2, 626, 218
Total.....		208, 862		3, 148, 418
EXPORTS.				
Animals and animal products, except wool and hair:				
Packing-house products.....	112	112	56, 000	56, 000
Vegetable food products, oil seeds, expressed oils, and beverages.....		2, 079		385, 824
Flour.....	30		4, 710	
Rice, cleaned.....	2, 049			381, 114
Textiles: Cotton.....	70, 989½	70, 989½	35, 494, 500	35, 494, 500
Wood and paper.....		12, 233		491, 720
Lumber.....	12, 153½		486, 120	
Roofing material.....	79½		5, 600	
Nonmetallic minerals.....		111, 463½		2, 898, 200
Brick and fire clay.....	149		2, 533	
Cement.....	1, 177½		38, 874	
Coal.....	176½		1, 780	
Gas oil.....	109, 432½		2, 845, 245	
Sulphur.....	528		9, 768	
Ores, metals, and manufactures of, except machinery and vehicles.....		10, 760		2, 260, 070
Iron and steel manufactures.....	8, 570		1, 962, 230	
Steel tanks, knocked down.....	2, 190		297, 840	
Machinery and vehicles.....		8, 055½		1, 620, 250
Auto trucks.....	194		19, 500	
Machinery, miscellaneous.....	135		40, 500	
Oil-well supplies.....	7, 900½		1, 580, 250	
Chemicals.....		108½		18, 400
Paint.....	8½		3, 400	
Soap.....	100		15, 000	
Unclassified: Miscellaneous.....	112	112	31, 700	31, 700
Total.....		215, 913		43, 276, 664
Total imports and exports.....		424, 575		46, 425, 082

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animal and animal products, except wool and hair: Leather.....		59	59	\$59,000	\$59,000
Vegetable food products, oil seeds, ex- pressed oils, and beverages:.....			22,062		4,504,242
Canned goods.....		18,450		3,690,000	3,690,000
Groceries.....		978½		293,400	
Merchandise.....		715½		214,650	
Peanuts.....		472		75,992	
Sugar.....		940		230,300	
Sirup.....		400½		68,800	
Vinegar.....		106½		21,100	
Other vegetable products, except fibers and wood: Cigars.....		108½	108½	1,085,000	1,085,000
Textiles:.....			5,289½		2,647,750
Bagging.....		1,601		720,450	
Clothing.....		210½		421,000	
Cordage.....		30		15,000	
Goats' hair.....		14		14,000	
Manilla rope.....		332		166,000	
Oil cloth, linoleum.....		2,904		1,161,600	
Twine.....		43½		26,100	
Wool in grease.....		154½		123,600	
Wood and paper:.....			10,510½		1,026,650
Furniture.....		86		15,050	
Lumber.....	2,000			80,000	
Magazines.....		262		181,000	
Paper.....		3,724½		446,940	
Roofing material.....		4,338		303,660	
Nonmetallic minerals.....			34,416		695,990
Asphalt.....		390		6,630	
Cement.....		8,862½		132,930	
Fuel oil.....	24,627½			492,540	
Lubricating oil.....		348½		41,760	
Paraffin wax.....		169		20,280	
Chalk.....		18½		1,850	
Ores, metals, and manufactures of, except machinery and vehicles.....			55,769½		15,617,540
Hardware.....		658		197,400	
Iron and steel manufactures.....		38,600½		8,539,400	
Iron and steel pipe.....		6,918		899,340	
Plumbing material.....		166		33,000	
Steel wire rope.....		9,407		5,644,200	
Tinplate.....		21		4,200	
Machinery and vehicles.....			2,310		793,700
Machinery, miscellaneous.....		1,286		379,800	
Storage batteries.....		1,005		402,200	
Vehicles.....		39		11,700	
Chemicals.....			7,768		660,420
Medicine.....		199		398,000	
Phosphate rock.....	4,700			32,900	
Soda.....		2,869		229,520	
Unclassified.....			11,082		4,534,970
Miscellaneous.....		8,118		2,435,400	
Musical instruments.....		1,333		1,333,000	
Paints in oil.....		1,631		766,570	
Total.....	31,327½	118,047½	149,375		31,715,262
SHIPMENTS, COASTWISE.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages: Rice, cleaned.....		268	268	49,848	49,848
Nonmetallic minerals.....			140,403		2,991,972
Fuel oil.....	109,751			2,195,020	
Gas oil.....	30,652			796,952	
Total.....	140,403	268	140,671		3,041,820
Total receipts and shipments coast- wise.....	171,730	118,315	290,046		34,757,082

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
LOCAL TRAFFIC, LOWER CHANNEL BELOW TURNING BASIN.					
Animals and animal products, except wool and hair: Mud shell.....	151,248	.....	151,248	\$105,874	\$105,874
Nonmetallic minerals.....	.....	.....	113,773	.....	1,779,121
Fuel oil.....	88,086	.....	.....	1,760,720	.....
Gas oil.....	92	.....	.....	2,392	.....
Sharp sand.....	25,645	.....	.....	16,009	.....
Total.....	265,021	.....	265,021	.....	1,884,995
LOCAL TRAFFIC, UPPER CHANNEL ABOVE TURNING BASIN.					
Animals and animal products, except wool and hair: Shell.....	2,960	.....	2,960	2,072	2,072
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....	.....	.....	60,984	.....	10,878,320
Fruit and vegetables.....	.....	3,277	.....	524,320	.....
Grain and feed.....	.....	15,340	.....	920,400	.....
Groceries and provisions.....	.....	25,707	.....	7,712,100	.....
Mineral waters.....	.....	3,480	.....	1,392,000	.....
Rice (rough).....	.....	13,180	.....	329,500	.....
Wood and paper.....	.....	.....	6,730	.....	998,000
Lumber and shingles.....	.....	4,840	.....	242,000	.....
Pianos and furniture.....	.....	1,890	.....	756,000	.....
Nonmetallic minerals.....	.....	.....	131,822	.....	669,101
Brick and tiling.....	.....	1,600	.....	24,000	.....
Coal.....	210	.....	.....	2,100	.....
Crushed rock and gravel.....	800	.....	.....	1,200	.....
Lime and cement.....	.....	3,000	.....	45,000	.....
Oil and gasoline.....	.....	11,110	.....	555,500	.....
Sand.....	115,102	.....	.....	71,301	.....
Ores, metals, and manufactures of, except machinery and vehicles: Junk.....	.....	6,500	6,500	104,000	104,000
Machinery and vehicles.....	.....	.....	20,715	5,784,500	6,064,500
Hardware and machinery.....	.....	19,215	.....	.....	.....
Oil-well supplies.....	.....	1,500	.....	300,000	.....
Unclassified: Miscellaneous.....	.....	851	851	255,300	255,300
Total.....	119,072	111,490	230,562	.....	19,001,293

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair	7,300	\$175,200	112	\$56,000
Vegetable food products, oil seeds, expressed oils, and beverages	13,775	347,000	2,079	385,824
Textiles .....	.....	.....	70,984	35,494,500
Wood and paper .....	.....	.....	12,233	401,720
Nonmetallic minerals	187,587	2,626,218	111,463	2,898,200
Ores, metals and manufactures of, except ma- chinery and vehicles .....	.....	.....	10,760	2,260,070
Machinery and vehicles .....	.....	.....	8,055	1,640,250
Chemicals .....	.....	.....	108	18,400
Unclassified .....	.....	.....	112	31,700
Total	208,662	3,148,418	215,913	43,276,664

Freight traffic, 1920—Continued.

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	59	\$59,000	154,208	\$107,946	161,679	\$308,146
Vegetable food products, oil seeds, expressed oils, and beverages.....	22,330	3,644,090	60,984	10,878,320	99,168	16,255,234
Other vegetable products, except fibers and wood.....	1084	1,085,000	.....	.....	1084	1,085,000
Textiles.....	5,2894	2,647,750	.....	.....	76,2794	38,142,250
Wood and paper.....	10,5104	1,026,650	6,730	998,000	29,4734	2,516,370
Nonmetallic minerals.....	174,819	3,687,962	245,595	2,478,222	719,4644	11,690,602
Ores, metals and manufactures of, except machinery and vehicles.....	55,7694	15,617,540	6,500	104,000	73,0294	17,961,610
Machinery and vehicles.....	2,310	793,700	20,715	6,064,500	31,0804	8,498,450
Chemicals.....	7,768	660,420	.....	.....	7,8764	678,820
Unclassified.....	11,082	4,534,970	851	255,300	12,045	4,821,970
Total.....	290,046	34,757,082	495,583	20,886,288	1,210,204	102,068,452

Vessel classification.

Classes.	Arrivals and departures.			Net registered tonnage.	Passengers.	Draft.	
	American.	Foreign.	Total.			Average.	Maximum.
Registered:						<i>Fect.</i>	<i>Fect.</i>
Steamers.....	260	60	320	614,705	.....	121	234
Sailing.....	6	.....	6	7,476	.....	19	214
Tugs.....	4,834	.....	4,834	116,832	.....	10	16
Barges.....	99	.....	99	108,924	.....	12	20
Launches.....	950	.....	950	31,610	36,100	5	10
Unregistered:							
Barges.....	3,845	.....	3,845	727,102	.....	7	10
Launches.....	400	.....	400	140,000	7,000	5	8
Total.....	10,400	60	10,460	1,746,649	43,100	.....	.....

¹ The Houston Harbor Department states that about 37 oil vessels of greater draft than 23½ feet have been lightered at Bolivar Roads in order to enter the channel or have gone out with part cargo and additional oil taken to them in Bolivar Roads so as to bring their draft to 26 or 27 feet.

All the above statistics were obtained from the Harbor Department of the city of Houston.

EAST BAY BAYOU (HANNA REEF), TEX.

Comparative statement of traffic.¹

Year.	Tons.	Value.
1910.....	2,484	\$242,000
1911.....	2,400	240,000

¹ No statistics could be obtained for 1912 to 1920.

[Navigation season: Entire year.]

No statistics of commerce could be obtained. It is believed the traffic through this channel was limited to occasional fishing and hunting boats.

DOUBLE BAYOU, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1907.....	3,600	\$255,000	1914.....	5,574	\$279,523
1908.....	5,000	269,000	1915.....	5,853	316,792
1909.....	(1)	(1)	1916.....	8,310	560,521
1910.....	4,471	284,180	1917.....	(1)	(1)
1911.....	6,007	218,150	1918.....	7,434	288,312
1912.....	3,351	115,300	1919.....	4,720	339,246
1913.....	7,635	195,462	1920.....	3,248	219,776

¹ No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
LOCAL.					
Animals and animal products, except wool and hair.....			99		\$23,571
Bacon.....		25		\$17,600	
Chickens.....		3		1,866	
Eggs.....		11		3,630	
Hides.....		34		975	
Hogs.....		11		4,400	
Mud shell.....		45		32	
Oysters.....		1		8	
Sheep.....		1		60	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			1,968½		137,263
Corn.....		50		2,350	
Cotton.....		4		2,000	
Cottonseed.....		20		2,400	
Feeds.....		80		4,800	
Groceries.....		96		28,800	
Hay.....		45		1,260	
Oats.....		349		22,651	
Potatoes.....		26		2,400	
Rice (rough).....		753		18,825	
Sugar cane.....		69		3,802	
Sirup.....		4½		775	
Vegetables.....		472		47,200	
Wood and paper.....			178½		4,170
Cordwood.....		100		1,000	
Lumber.....		77		3,080	
Shingles.....		1½		90	
Nonmetallic minerals.....			823		17,915
Brick.....		20		300	
Cement.....		40		600	
Charcoal.....		4½		225	
Coal.....		30		390	
Fuel oil.....	133			2,660	
Gasoline.....		229		12,425	
Gravel.....	40			60	
Lime.....		25		625	
Lubricating oil.....		1½		180	
Sand.....	300			450	
Machinery and vehicles: Machinery.....		10	10	3,000	3,000
Chemicals.....			12½		4,707
Paints.....		10		4,687	
Phosphate.....		2½		20	
Unclassified.....			156½		24,150
General merchandise.....		80½		23,390	
Ice.....		76		760	
Total.....			3,248		219,776

Vessel classification, 1920.

Classes.	Number.	Tonnage.	Average draft loaded.
Sail.....	1	6	<i>Fed.</i> 2½
Tugs.....	1	11	4½
Gasoline launches.....	8	63	3
Barges.....	5	625	4½
Total.....	15	705	.....

The statement shows the number of boats using the channel. The total number of trips by these boats is unknown.

ANAHUAC CHANNEL, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1907.....	74,311	\$1,925,857	.....	1914.....	10,327	\$217,878	.....
1908.....	15,000	780,000	.....	1915.....	21,128	510,082	.....
1909.....	42,436	818,734	.....	1916.....	14,563	505,880	.....
1910.....	203,076	1,384,949	.....	1917.....	20,204	482,795	.....
1911.....	26,385	740,010	.....	1918.....	23,926	937,820	75
1912.....	94,073	712,285	.....	1919.....	11,915	741,577	900
1913.....	1,099	24,606	.....	1920.....	17,942	573,884	750

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
LOCAL.						
Animals and animal products, ex- cept wool and hair.....			52½		\$18,378	Miles. 70
Bacon.....		8		\$5,000		70
Chickens.....		1½		800		70
Eggs.....		2½		740		70
Fish.....		39		11,388		70
Hides.....		1½		450		70
Vegetable food products, oilseeds, expressed oils, and beverages.....			8,349½		254,843	70
Corn.....		1½		70		70
Feed, miscellaneous.....		152½		9,150		70
Fruits.....		½		80		70
Garden truck.....		8½		850		70
Groceries.....		128½		38,550		70
Hay.....		17½		498		70
Oats.....		87		5,481		70
Potatoes.....		15		1,395		70
Rice, rough.....		7,937		198,425		70
Sirup.....		2		344		70
Textiles: Cotton.....		4	4	2,000	2,000	70
Wood and paper.....			330		14,500	70
Charcoal.....		200		10,000		70
Cordwood.....		10		100		70
Lumber.....		104		4,140		70
Logs.....	15			200		15
Shingles.....		1		60		70

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes of commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average hauls
	Bulk.	Package.		By com- modities.	By classes.	
LOCAL—continued.						
Nonmetallic minerals.....			8,460		\$173,563	Miles.
Brick.....		3½		\$53		70
Cement.....		25		375		70
Coal.....		½		7		70
Fuel oil.....	8,117			162,340		40
Gasoline.....		212		10,600		70
Lime.....		1½		30		70
Salt.....		½		8		70
Sharp sand.....	100			150		50
Ores, metals, and manufactures of, except machinery and vehicles:						
Hardware.....		1	1	300	300	70
Machinery and vehicles: Machin- ery.....		300	300	90,000	90,000	70
Chemicals: Fertilizer.....		17	17	1,020	1,020	70
Unclassified.....			428½		19,280	
General merchandise.....		51		15,300		70
Ice.....		377		3,830		70
Miscellaneous.....		½		150		70
Total.....	8,232	9,710	17,942		573,884	

Vessel classification.

Classes.	Arrivals and de- partures.	Total tonnage.	Average draft, loaded.	Passen- gers.
			<i>Feet.</i>	
Sail.....	144	432	3½	
Tugs.....	348	4,518	4½	
Launches.....	786	10,362	4½	750
Barges.....	778	86,700	4½	
Total.....	2,056	101,922		750

MOUTH OF TRINITY RIVER, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1906.....	(1)	\$283,979	1914.....	5,213	\$78,196
1907.....	112,130	1,362,643	1915.....	5,327	171,263
1908.....	(1)	599,430	1916.....	(1)	(1)
1909.....	34,311	469,484	1917.....	(1)	(1)
1910.....	26,550	647,400	1918.....	1,561	52,300
1911.....	1,293	233,097	1919.....	3,161	91,627
1912.....	4,209	325,600	1920.....	10,726	309,095
1913.....	(1)	(1)			

1 No statistics available.

[Season of navigation: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- ge haul.
	Bulk.	Package.		By com- modities.	By classes.	
LOCAL (IN TRANSIT).						
Animals and animal products, ex- cept wool and hair.....			8		\$4,660	Miles.
Chickens.....		1½		\$600		70
Bacon.....		5		3,500		70
Eggs.....		1		410		70
Hides.....		½		150		70
Vegetable food products, oilseeds, expressed oils, and beverages....			4,668		153,084	
Corn.....		1½		70		70
Fruits.....		2½		80		70
Feed, miscellaneous.....		2½		150		70
Garden truck.....		8½		850		70
Groceries.....		119		35,700		70
Hay.....		7		203		70
Oats.....		47		2,981		70
Potatoes.....		15		1,395		70
Rice, rough.....		4,467		111,675		70
Textiles: Cotton.....		4	4	2,000	2,000	70
Wood and paper.....			314		14,240	
Charcoal.....		200		10,000		70
Cordwood.....		10		100		70
Lumber.....		104		4,140		70
Nonmetallic minerals.....			5,648		114,721	
Brick.....		2½		38		70
Cement.....		5		75		70
Fuel oil.....	5,579			111,580		40
Gasoline.....		60		3,000		70
Lime.....		1		20		70
Salt.....		½		8		70
Ores, metals, and manufactures of, except machinery and vehicles:						
Hardware.....		1	1	300	300	70
Machinery and vehicles: Machin- ery.....		50	50	15,000	15,000	70
Chemicals: Fertilizer.....		17	17	1,020	1,020	70
Unclassified.....			15½		4,070	
General merchandise.....		13		3,900		70
Ice.....		2		20		70
Miscellaneous.....		½		150		70
Total.....	5,579	5,146½	10,726		309,095	

The above includes the commerce of Turtle Bayou, as all boats plying to and from that stream now pass through the mouth of the Trinity River. All the remainder is commerce to and from points on the Trinity River above the mouth. None of the commerce originates at or is destined to points immediately at the mouth.

Vessel classification.

Classes.	Arrivals and departures.	Total tonnage.	Average draft, loaded.
			<i>Feet.</i>
Sail.....	144	432	3½
Barges.....	178	11,700	4½
Launches.....	474	7,554	4
Tugs.....	48	528	4½
Total.....	844	20,214	

TURTLE BAYOU, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910.....	8,119	\$263,350	1916.....	14,063	\$306,880
1911.....	3,963	604,128	1917.....	14,303	287,809
1912.....	11,117	208,386	1918.....	10,940	432,768
1913.....	6,088	113,840	1919.....	2,488	184,509
1914.....	11,340	238,622	1920.....	8,066	224,295
1915.....	15,791	338,819			

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
LOCAL.						
Animals and animal products, ex- cept wool and hair.....			5½		\$3,600	Miles.
Bacon.....		5		\$3,600		70
Eggs.....		½		80		70
Hides.....		½		80		70
Vegetable food products, oilseeds, expressed oils, and beverages.....			4,608		135,084	
Corn.....		1½		70		70
Fruits.....		½		80		70
Feed, miscellaneous.....		2½		186		76
Garden truck.....		8½		850		70
Groceries.....		59		17,700		70
Hay.....		7½		203		70
Oats.....		47		2,961		70
Potatoes.....		15		1,396		70
Rice, rough.....		4,467		111,675		70
Textiles: Cotton.....		4	4	2,000	2,000	70
Wood and paper.....			284		13,360	
Charcoal.....		200		10,000		70
Lumber.....		84		3,360		70
Nonmetallic minerals.....			3,071		62,281	
Brick.....		2½		38		70
Cement.....		5		75		70
Fuel oil.....	3,082			60,640		40
Gasoline.....		30		1,500		70
Lime.....		1		20		70
Salt.....		½		8		70
Ores, metals and manufactures of, except machinery and vehicles:						
Hardware.....		1	1	300	300	70
Machinery and vehicles: Machinery.....		50	50	4,500	4,500	70
Chemicals: Fertilizer.....		17	17	1,020	1,020	70
Unclassified.....			15½		4,070	
General merchandise.....		13		3,900		70
Ice.....		2		20		70
Miscellaneous.....		½		150		70
Total.....	3,082	5,624	8,066		224,295	

Vessel classification.

Classes.	Arrivals and departures.	Total tonnage.	Average draft, loaded.
Sail.....	144	432	Feet.
Barges.....	146	8,500	4½
Launches.....	392	6,726	4
Tugs.....	48	528	4½
Total.....	730	16,186	

CEDAR BAYOU, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891.....	19,250	\$108,250	1906.....	(1)	(1)
1892.....	20,042	128,250	1907.....	(1)	(1)
1893.....	20,970	139,020	1908.....	(1)	(1)
1894.....	32,010	140,840	1909.....	(1)	(1)
1895.....	(1)	(1)	1910.....	17,636	\$424,769
1896.....	(1)	(1)	1911.....	21,436	778,151
1897.....	(1)	(1)	1912.....	41,432	9'6,981
1898.....	(1)	(1)	1913.....	36,930	1,075,096
1899.....	(1)	(1)	1914.....	(1)	(1)
1900.....	(1)	(1)	1915.....	96,310	1,339,400
1901.....	(1)	(1)	1916.....	(1)	(1)
1902.....	(1)	(1)	1917.....	17,075	670,500
1903.....	(1)	(1)	1918.....	64,325	956,614
1904.....	(1)	(1)	1919.....	102,387	7,602,885
1905.....	(1)	(1)	1920.....	14,829	1,596,520

1 No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities.	By classes.	By commodities.	By classes.	
LOCAL.					
Animals and animal products, except wool and hair.....		29		\$9,900	<i>Miles.</i>
Bacon.....			\$180		45
Chickens.....	1		400		45
Eggs.....	28		9,240		45
Hides.....			80		45
Vegetable food products, oilseeds, expressed oils, and beverages.....		9,813		251,660	
Corn.....	1		47		45
Hay.....	50		1,400		45
Oats.....	201		12,663		45
Rice, rough.....	9,390		234,730		45
Sugar cane.....	20		1,200		45
Sweet potatoes.....	1		100		13
Vegetables.....	150		1,500		45
Wood and paper.....		334		23,440	
Furniture.....	100		14,000		45
Lumber.....	230		9,200		45
Shingles.....	4		240		45
Nonmetallic minerals.....		310		8,110	
Brick.....	150		2,250		45
Cement.....	40		600		45
Coal.....	20		260		45
Gasoline.....	100		5,000		45
Machinery and vehicles: Machinery.....	1,500	1,500	450,000	450,000	45
Chemicals: Paints and oils.....	3	3	1,410	1,410	45
Unclassified.....		2,840		852,000	
General merchandise.....	130		39,000		45
Groceries.....	2,710		813,000		45
Total.....	14,829	14,829		1,596,520	

Vessel classification, 1920.

Classes.	Number.	Tonnage.	Average draft loaded.
			<i>Feet.</i>
Launches.....	4	32	4½
Barges.....	26	7,800	4½
Total.....	30	7,832	

¹ Number of individual vessels using the channel and their combined tonnage. The number of trips made is unknown.

CLEAR CREEK, TEX.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1910.....	2,611	\$47,135	1916.....	1,425	\$25,243
1911.....	11,257	43,125	1917.....	(1)	(1)
1912.....	(1)	(1)	1918.....	13,844	27,600
1913.....	(1)	(1)	1919.....	389	26,100
1914.....	23,997	13,790	1920.....	837½	13,255
1915.....	8,570	26,868			

¹ No statistics available.

[Navigation season: Entire year.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
LOCAL.				
Animals and animal products, except wool and hair.....		837½		\$13,255
Oysters.....	835		\$12,525	
Fish.....	2½		730	
Total.....	837½		13,255	

The traffic on this waterway was light during the year on account of shoal condition of the entrance channel. All traffic was inbound.

Vessel classification.

Classes.	Number.	Tonnage.	Average draft loaded.
			<i>Feet.</i>
Sail.....	2	10	2½
Gasoline and sail.....	12	60	3
Launches.....	3	15	3
Total.....	17	85	

DICKINSON BAYOU, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1907.....	200	(¹)	1914.....	7,644	\$8,869
1908.....	2,080	\$28,600	1915.....	1,391	3,474
1909.....	3,967	10,945	1916.....	5,548	24,337
1910.....	818	1,492	1917.....	(¹)	(¹)
1911.....	4,783	16,650	1918.....	(¹)	(¹)
1912.....	6,994	5,064	1919.....	(¹)	(¹)
1913.....	(¹)	(¹)	1920.....	(¹)	(¹)

¹ Statistics unobtainable.

[Navigation season: Entire year.]

So far as can be ascertained there was no commercial traffic of any kind during the year. Local interests along the bayou state that this was on account of the shoal condition of the entrance channel.

CHOCOLATE BAYOU, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910.....	2,145	\$31,500	1916.....	(¹)	(¹)
1911.....	7,515	55,315	1917.....	(¹)	(¹)
1912.....	4,800	212,000	1918.....	(¹)	(¹)
1913.....	(¹)	(¹)	1919.....	1,595	\$37,700
1914.....	6,167	96,180	1920.....	160	6,201
1915.....	(¹)	(¹)			

¹ No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
LOCAL.						
Animals and animal products, ex- cept wool and hair.....			117		\$4,886	Miles.
Fish.....		13		\$3,796		25
Oysters.....		71		1,065		25
Oyster shell.....		25		19		25
Reef shell.....		8		6		25
Vegetable food products, oil seeds, expressed oils and beverages.....			13		1,100	
Miscellaneous feed stuffs.....		5		300		50
Potatoes, sweet.....		8		800		50
Wood and paper: Cord wood.....		20	20	200	200	7
Nonmetallic minerals: Sharp sand.....	10		10	15	15	50
Total.....	10	150	160		6,201	

Vessel classification, 1920.

Classes.	Number.	Tonnage.	Average draft loaded.
Launches.....	15	75	<i>Fect.</i> 24-34
Gas and sail.....	1	7	34
Total	16	82	.....

The above gives the approximate number of boats using the channel. The number of trips made by these boats is unknown.

BASTROP BAYOU, TEX.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1910.....	5,567	\$90,535	1916.....	2,536	\$89,060
1911.....	1,369	41,650	1917.....	(1)	(1)
1912.....	3,147	50,700	1918.....	(1)	(1)
1913.....	(1)	(1)	1919.....	(1)	(1)
1914.....	(1)	(1)	1920.....	(1)	(1)
1915.....	5,730	219,789			

¹ Statistics unobtainable.

[Navigation season: Entire year.]

No statement of traffic on this waterway could be obtained. It appears to have been entirely unused for commercial purposes during the year.

OYSTER CREEK, TEX.*Comparative statement of traffic.*

No commerce has been reported on this stream except during the calendar year 1918, when 13 tons of fuel oil valued at \$78 is stated to have been moved by barge.

[Navigation season: Entire year.]

No statement of traffic on this waterway could be obtained although efforts were made by correspondence with local interested parties.

WEST GALVESTON BAY AND BRAZOS RIVER CANAL, TEX.*Comparative statement of traffic.*

As the records which have been obtained in the past give only the number and tonnage of boats using the waterway and no statements of freight carried were obtained, a comparative statement can not be given.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
LOCAL.						
Animals and animal products, except wool and hair.....			1,760		\$41,550	Miles.
Fish and shrimp.....		130		\$37,950		15
Oysters.....		170		2,580		15
Mud shell.....	1,400			980		120
Sharp sand.....	60			60		120
Vegetable food products, oilseeds, expressed oils, and beverages:						
Melons.....		24	24	2,904	2,904	120
Wood and paper: Lumber.....		225	225	9,000	9,000	120
Nonmetallic minerals: Coal, bit.....		50	50	500	500	120
Machinery and vehicles: Machinery.....		300	300	90,000	90,000	120
Unclassified: General merchandise.....		2	2	600	600	120
Total.....	1,460	901	2,361		144,544	

Vessel classification.

Classes.	Number.	Tonnage. ¹
Registered:		
Eastbound—		
Gasoline.....	607	2,428
Sail.....	493	1,479
Tugs.....	44	500
Barges.....	104	13,000
Westbound—		
Gasoline.....	567	2,268
Sail.....	469	1,407
Tugs.....	44	500
Barges.....	104	13,000
Total.....	2,284	21,062

¹ Estimated.

No record of passengers.

The record of boats was obtained from the Southern Pacific Railroad System, which employs the drawbridge tender at the Galveston Causeway crossing this waterway. The tonnage was obtained from the records of local fish and oyster dealers and others using the waterway.

CHANNEL BETWEEN BRAZOS RIVER AND MATAGORDA BAY, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914.....	2,226	\$370,035	11,000	1918.....	4,473	\$171,902	252
1915.....	9,064	1,064,150	590	1919.....	2,505	182,466	(1)
1916.....	756	119,150	616	1920.....	3,728	158,369	(1)
1917.....	1,008	170,288	486				

¹ No statistics available.

(Navigation season: Entire year.)

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
Animals and animal products, ex- cept wool and hair.....			2, 535		\$40, 719	<i>Miles.</i>
Fish.....	82			\$23, 944		10
Oysters.....	1, 053			15, 795		10
Shell.....	1, 400			960		120
Vegetable food products, oilseeds, expressed oil, sand beverages:						
Watermelons.....		24	24	2, 880	2, 880	120
Wood and paper: Lumber.....		225	225	9, 000	9, 000	120
Nonmetallic minerals.....			624		11, 140	
Coal, bituminous.....		50		500		120
Fuel oil.....	504			10, 080		46
Gasoline.....		10		500		46
Sand.....	60			60		120
Ores, metals, and manufactures of, except machinery and vehicles:						
Pipe, junk.....		5	5	130	130	90
Machinery and vehicles: Machin- ery.....		300	300	90, 000	90, 000	120
Unclassified: General merchandise.....		15	15	4, 500	4, 500	120
Total.....	3, 099	629	3, 728		158, 369	

Vessel classification.

Classes.	Number.	Tonnage.	Average draft, loaded.
			<i>Fect.</i>
Sailing.....	14	49	2
Gas launches.....	7	18	3½
Tugs.....	4	59	4½
Barges.....	6	750	4
Total.....	1 31	1 876	

¹ Number of individual vessels using the channel and their combined tonnage. The number of trips made is unknown.

GUADALUPE RIVER TO VICTORIA, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1909.....	1, 907	\$169, 330	1915.....	63, 110	\$36, 040
1910.....	1, 703	182, 130	1916.....	109, 249	54, 581
1911.....	5, 694	316, 310	1917.....	(¹)	(¹)
1912.....	29, 722	13, 903	1918.....	60, 663	106, 296
1913.....	109, 523	64, 701	1919.....	(¹)	(¹)
1914.....	63, 754	39, 947	1920.....	198	29, 080

¹ No statistics available.

(Navigation season: Entire year.)

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
LOCAL.					
Animals and animal products, except wool and hair.....			98		\$28,080
Fish.....		90		\$28,280	
Sheep.....		8		1,800	
Wood and paper: Cordwood.....	100		100	1,000	1,000
Total.....	100	98	198		29,080

For side channel in San Antonio Bay into Seadrift, Tex., only. No statement of traffic on the Guadalupe River could be obtained.

Vessel classification.

Classes.	Number.	Tonnage.	Average draft, loaded.
Sailing.....	8	56	<i>Fect.</i> 1½
Barges.....	4	6	1½
Launches.....	16	24	1½
Total.....	28	86	

This statement shows the approximate number of boats using the channel. The number of trips made by each boat was unobtainable.

CHANNEL FROM PASS CAVALLO TO PORT LAVACA, TEX.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1910.....	5,283	\$122,165	1916.....	(1)	(1)
1911.....	734	25,025	1917.....	(1)	(1)
1912.....	(1)	(1)	1918.....	14,908	\$140,382
1913.....	(1)	(1)	1919.....	15,671	201,060
1914.....	2,100	35,000	1920.....	29,524	332,766
1915.....	(1)	(1)			

¹ No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
LOCAL.					
Animals and animal products, except wool and hair.....			19,780½		\$53,285
Eggs.....		6		\$1,980	
Chickens.....		½		306	
Fish.....		47		13,724	
Hides.....		½		150	
Hogs.....		1½		500	
Mudshell.....	18,128			12,690	
Oysters.....		1,596		23,940	
Oyster shells.....	1			1	
Vegetable food products, oilseeds, ex- pressed oils, and beverages.....			51½		2,961
Hay.....		6		168	
Oats.....		40		2,600	
Rice bran.....		5		125	
Sirup.....		½		68	
Textiles.....			226½		112,756
Cotton.....		225		112,500	
Wool.....		½		256	
Wood and paper.....			220		8,600
Cordwood.....	12			120	
Lumber.....		200		8,000	
Shingles.....		8		480	
Nonmetallic minerals.....			9,211		144,364
Brick.....		32		480	
Cement.....		10		150	
Coal.....		1		13	
Gasoline.....		180		9,900	
Gravel.....	74			111	
Ice.....		2		20	
Lime.....		2		40	
Sharp sand.....	8,910			133,650	
Unclassified: General merchandise.....		36	36	10,800	10,800
Total.....	27,125	2,399	29,524		382,766

Vessel classification.

Classes.	Ameri- can ar- rivals and de- partures.	Total.	Net reg- istered tonnage.	Average draft, loaded.
Registered: Tugs.....	242	242	2,662	<i>Feet.</i> 5
Unregistered:				
Sailing.....	980	980	5,880	4½
Barges.....	242	242	30,250	5½
Launches.....	1,150	1,150	9,200	4½
Total.....	2,614	2,614	47,992	

CHANNEL FROM PASS CAVALLO TO ARANSAS PASS, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1909.....	3,240	\$63,625	1915.....	3,032	\$181,356
1910.....	2,675	96,500	1916.....	203	15,130
1911.....	1,497	38,813	1917.....	2,427	250,479
1912.....	384	52,160	1918.....	3,188	261,213
1913.....	380	48,600	1919.....	572	26,125
1914.....	4,979	215,730	1920.....	1,244	113,002

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
LOCAL.					
Animals and animal products, except wool and hair.....			1,144		\$112,127
Fish.....		404		\$99,627	
Oysters.....		740		12,500	
Unclassified: Ice.....	100		100	875	875
Total.....	160	1,144	1,244		113,002

Vessel classification.

Classes.	Arrivals and departures.	Total tonnage.	Average draft, loaded.
Registered and unregistered:			<i>Feet.</i>
Sail.....	4,095	23,135	2-44
Gasoline.....	1,845	23,985	24-24

¶ The part of this channel between Rockport and Aransas Pass was also used to take out to the Gulf of Mexico four wooden hulls having a tonnage of 3,500 each and a draft of 11 to 13 feet, built for the United States Shipping Board at Rockport, and to bring in and take out 7 tugs and 3 barges having drafts of 3 to 9 feet, for repair at the same shipyard.

CHANNEL FROM ARANSAS PASS TO CORPUS CHRISTI, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1909.....	4,649	\$1,092,892	1915.....	26,803	\$2,479,358
1910.....	6,547	675,229	1916.....	13,620	524,989
1911.....	8,890	863,660	1917.....	9,103	119,663
1912.....	42,672	698,000	1918.....	23,197	465,050
1913.....	10,849	75,943	1919.....	30,862	316,412
1914.....	64,455	1,530,123	1920.....	8,410.5	190,872

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
SHIPMENTS, LOCAL.						
Animals and animal products, except wool and hair.....			412.5		\$78,900	Miles. 25
Fish.....		262.5		\$76,650		
Oysters.....	150			2,250		
Nonmetallic minerals: Crude petroleum.....	7,998		7,998	111,972	111,972	22
Total.....	8,148	262.5	8,410.5		190,872	

Vessel classification.

Classes.	American arrivals and departures.	Total.	Net registered tonnage.	Average draft, loaded.
Registered:				<i>Feet.</i>
Sailing.....	3	3	22	3
Barges.....	35	35	7,483	5
Launches.....	37	37	390	5
Total.....	75	75	7,895	

FREEPORT HARBOR, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914.....	101,515	\$7,513,099	1918.....	309,700	\$3,097,992
1915.....	149,335	5,746,466	1919.....	328,411	5,933,225
1916.....	253,365	4,078,896	1920.....	436,879	6,682,600
1917.....	334,693	4,284,822			

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Nonmetallic minerals: Petroleum, crude.....	330,236	330,236	\$4,623,304	\$4,623,304
EXPORTS.				
Nonmetallic minerals: Sulphur, crude.....	21,677	21,677	401,025	401,025
Total imports and exports.....		351,913		5,024,329

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
SHIPMENTS, COASTWISE.				
Nonmetallic minerals.....		84,966		\$1,658,271
Sulphur, crude.....	27,366		\$506,271	
Fuel oil.....	57,600		1,152,000	
Total.....	84,966	84,966		1,658,271

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals.	330,236	\$4,623,304	21,677	\$401,025	84,966	\$1,658,271	436,879	\$6,682,600

The above statistics have been furnished by the Freeport Sulphur Co., by the deputy collector of customs at Freeport, Tex.; and by Clarke & Co.; who tow oil on the river above the mouth and coastwise from the mouth.

In addition to the above the Freeport Sulphur Co. states that 107,799.69 tons of sulphur was diverted to other ports on account of insufficient depth on the bar at mouth of Brazos River, divided as follows: Completely loaded at other ports, 65,300 tons; partially loaded at other ports, 42,499.69 tons.

Vessel classification.

Classes.	American arrivals and departures.	Foreign arrivals and departures.	Total.	Net registered tonnage.	Average draft loaded.
Registered:					<i>Fect.</i>
Steamers.....	130	9	139	161,992	16½
Tugs.....	27		27	4,804	15
Barges.....	54		54	60,325	15½
Unregistered:					
Barges.....	181		181	117,820	7½
Launches and tugs.....	181		181	12,025	7
Total.....	373	9	382	246,966	

¹ These figures are approximate only.

. BRAZOS RIVER, TEX., FROM VELASCO TO OLD WASHINGTON.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910 ¹			1916 ¹		
1911 ¹			1917 ¹		
1912 ¹			1918 ¹		
1913.....	1,080	\$81,000	1919.....	56,412	\$1,124,240
1914 ¹			1920.....	57,600	1,152,000
1915 ¹					

¹ No commerce on river so far as known.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul, miles.
	By commodities.	By classes.	By commodities.	By classes.	
DOWNBOUND, INTERNAL.					
Nonmetallic minerals: Petroleum, crude.....	57,600	57,600	\$1,152,000	\$1,152,000	32

This petroleum originates at the West Columbia oil field, about 32 miles above the mouth of the river, and is barged down the river to the mouth, thence coastwise to various points.

Vessel classification.

Classes.	Number. ¹	Tonnage. ¹	Average draft loaded.
AMERICAN.			
Upbound:			<i>Feet.</i>
Steam and gasoline tugs.....	203	5,975	7
Barges.....	203	44,457	7½
Downbound:			
Steam and gasoline tugs.....	205	5,150	7
Barges.....	205	45,114	7½

¹ The above figures as to number and tonnage are approximate only. They show the approximate number of trips up and down by tugs and barges. During the year there were engaged in handling fuel oil from Columbia to the mouth of the river a total of 4 tugboats, with a combined tonnage of 90, and 12 barges, with a combined tonnage of 2,633.

PORT ARANSAS, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914.....	192,701	\$2,061,253	6,065	1918.....	121,222	\$795,905	5,048
1915.....	120,399	3,053,072	(1)	1919.....	27,070	1,007,259	3,000
1916.....	106,807	819,340	(1)	1920 ²	147,506	2,470,433	3,020
1917.....	89,806	864,887	3,771				

¹ No statistics available.

² Increase in tonnage and value due to inclusion of local traffic between Port Aransas and the town of Aransas Pass, which had not been previously included.

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Crude petroleum.....	62,952	62,952	\$881,328	\$881,328

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS COASTWISE.				
Nonmetallic minerals: Crude petroleum.....	3,649	3,649	\$72,970	\$72,970

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS, LOCAL.						
Animals and animal products, ex- cept wool and hair: Horses and mules.....		40	40	\$8,400	\$8,400	Miles. 14
Vegetable food products, oilseeds, expressed oils and beverages:						
Hay.....		8	8	224	224	14
Textiles: Cement, sacks.....		13	13	5,850	5,850	14
Wood and paper.....			1,655		51,624	14
Piling.....		604		9,664		
Firewood.....		13		140		
Lumber.....		1,033		41,320		
Barrels, empty.....		5		500		
Nonmetallic minerals.....			21,963		38,731	14
Asphalt.....		15		225		
Cement.....		1,007		15,105		
Coal.....	169			2,197		
Coke.....	298			3,724		
Oils and greases.....		74		8,890		
Stone and sand.....	400			600		
Water, fresh.....	20,000			8,000		
Ores, metals, and manufactures of, except machinery and vehicles.....			86		11,526	14
Chain.....		18		3,600		
Iron, structural.....		23		2,346		
Pipe.....		45		5,580		
Machinery and vehicles.....			154		49,200	14
Grading machinery.....		15		4,500		
Life boats.....		5		2,500		
Marine equipment.....		20		8,000		
Marine machinery.....		114		34,200		
Chemicals: Paint.....		18	18	7,200	7,200	14
Unclassified: Merchandise, general.....		397	397	119,100	119,100	14
Total.....	20,867	3,467	24,334		291,835	
SHIPMENTS, LOCAL.						
Animals and animal products, ex- cept wool and hair: Horses and mules.....		60	60	12,600	12,600	14
Wood and paper: Lumber.....		118	118	4,720	4,720	14
Nonmetallic minerals.....			56,122		1,122,340	14
Crude petroleum.....	56,102			1,122,040		
Brick.....		20		300		
Ores, metals, and manufactures of, except machinery and vehicles:						
Tools, mechanics.....		15	15	7,500	7,500	14
Machinery and vehicles.....			196	52,800	59,120	14
Compress machinery.....		176		52,800		
Vehicles.....		20		6,320		
Miscellaneous: Merchandise, gen- eral.....		60	60	18,000	18,000	14
Total.....	56,102	469	56,571		1,224,280	

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.				Total.	
			Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....					100	\$21,000	100	\$21,000
Vegetable food products, oil-seeds, expressed oils and beverages.....					8	224	8	224
Textiles.....					13	5,850	13	5,850
Wood and paper.....					1,773	56,344	1,773	56,344
Nonmetallic minerals.....	62,952	\$881,328	3,649	\$72,970	78,085	1,161,671	144,686	2,115,369
Ores, metals, and manufactures of, except machinery and vehicles.....					101	19,026	101	19,026
Machinery and vehicles.....					350	108,320	350	108,320
Chemicals.....					18	7,200	18	7,200
Unclassified.....					457	137,100	457	137,100
Total.....	62,952	881,328	3,649	72,970	80,905	1,516,135	147,506	2,470,433

Vessel classification.

PORT ARANSAS.

Classes.	American arrivals and departures.	Foreign arrivals and departures.	Total.	Net registered tonnage.	Passengers.	Average draft loaded.
Registered:						<i>Fect.</i>
Steamers.....	9		9	7,783	20	18
Tugs.....	29		29	4,454		15
Barges.....	32		32	37,401		18
Unregistered: Launches.....		4	4	30		4
Total.....	70	4	74	49,668	20	

PORT ARANSAS TO TOWN OF ARANSAS PASS, TEX.

Classes.	American arrivals and departures.	Foreign arrivals and departures.	Total.	Net registered tonnage.	Passengers.	Average draft loaded.
Registered:						
Barges.....	773		773	89,668		
Launches.....	968		968	15,000		
Unregistered: Launches.....	1,200		1,200	18,000	3,000	
Total.....	2,941		2,941	122,668	3,000	

BRAZOS ISLAND HARBOR, TEX.

There has been no commerce through the harbor or pass in recent years or since the construction of the St. Louis, Brownsville & Mexico Railroad into the lower Rio Grande Valley. The only traffic in the vicinity was carried on by small fishing boats which operated in the Laguna Madre and landed at Point Isabel.

There was no commerce through the harbor or pass during the calendar year. The only traffic in the vicinity was carried on by the small local fishing boats operating in the Laguna Madre.

HARBOR AT SABINE PASS, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893.....	15,060	\$180,960	1907.....	1,848,150	\$24,275,780
1894.....	40,966	280,189	1908.....	1,802,307	28,153,544
1895.....	47,091	252,823	1909.....	2,785,786	36,116,540
1896.....	48,886	475,288	1910.....	2,304,113	45,202,759
1897.....	97,632	475,868	1911.....	2,443,962	49,864,181
1898.....	238,400	2,363,542	1912.....	3,100,375	56,069,754
1899.....	326,494	3,058,162	1913.....	3,758,408	86,437,688
1900.....	217,489	4,774,531	1914.....	5,569,454	81,195,808
1901.....	150,987	(1)	1915.....	6,001,865	100,524,639
1912.....	689,488	4,245,425	1916.....	5,830,132	106,634,007
1903.....	1,315,348	11,149,238	1917.....	8,005,149	164,311,582
1904.....	1,192,371	12,732,238	1918.....	7,261,187	198,298,448
1905.....	1,779,954	14,512,178	1919.....	8,140,331	224,749,351
1906.....	1,904,389	19,820,419	1920 ¹	1,180,083	19,486,992

¹ No statistics available.² Exclusive of 10,695,466 tons cargoes in transit, valued at \$393,467,965.

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals.....		21,262		\$314,840
Crude oil.....	21,100		\$396,400	
Lubricating oil.....	162		19,440	
Ores, metals and manufactures of, except machinery and vehicles: Iron and steel.....	1,023	1,023	153,450	153,450
Total.....		22,285		468,290
EXPORTS.				
Nonmetallic minerals.....		715,245		11,076,064
Crude and fuel oil.....	479,104		6,707,456	
Sulphur.....	236,141		4,368,606	
Total.....		715,245		11,076,064
Total imports and exports.....		737,530		11,544,354

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Wood and paper: Lumber.....		7	7	\$280	\$280
Nonmetallic minerals: Crude and fuel oil..	57,585		57,585	806,190	806,190
Total.....	57,585	7	57,592		806,470
SHIPMENTS, COASTWISE.					
Wood and paper: Lumber.....		13	13	520	520
Nonmetallic minerals: Sulphur.....	385,548		385,548	7,132,648	7,132,648
Unclassified: Miscellaneous.....		10	10	3,000	3,000
Total.....	385,548	23	385,571		7,136,168
Total receipts and shipments, coast- wise.....	443,133	30	443,163		7,942,638

CARGOES IN TRANSIT.

Commodities.	Short tons.	Value.
Asphalt.....	20,450	\$347,650
Brick.....	4,016	60,240
Cement.....	1,369	20,535
Crude and fuel oil.....	6,219,570	105,670,750
Cotton.....	167	66,800
Chemicals.....	2,197	2,197,000
Feed.....	17,014	1,020,840
Gasoline and kerosene.....	3,444,722	172,235,740
Groceries.....	6,994	2,096,200
Iron and steel.....	15,318	2,297,700
Lumber.....	245,891	9,835,640
Lubricating oil.....	602,060	72,247,200
Merchandise.....	33,698	10,109,400
Machinery.....	4,230	1,269,000
Potatoes.....	29	2,704
Roofing paper.....	54	3,780
Sisal.....	1,043	187,740
Wax.....	859	103,080
Wheat.....	41,859	3,516,156
Miscellaneous.....	33,926	10,177,809
Total.....	10,695,466	393,467,955

The above figures include an estimate submitted by local interests of 613,437 tons of crude oil and its refined products brought down by lighters from the Neches River to extra draft vessels at Sabine Pass entrance to enable a full load to be taken.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic coast-wise.		Total.	
	Imports.		Exports.		Tons.	Value.	Tons.	Value.
	Tons.	Value.	Tons.	Value.				
Wood and paper.....					20	\$800	20	\$800
Nonmetallic minerals.....	21,262	\$314,840	715,245	\$11,076,064	443,133	\$7,938,838	1,179,640	19,329,742
Ores, metals, and manufactures of, except machinery and vehicles.....	1,023	153,450					1,023	153,450
Unclassified.....					10	3,000	10	3,000
Total.....	22,285	468,290	715,245	11,076,064	443,163	7,942,638	1,180,663	19,486,992
Cargoes in transit.....							10,695,496	393,467,955

Vessel classification.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Average draft loaded.
Registered:					<i>Fect.</i>
Steamers.....	90	46	136	414,522	27
Sailing vessels.....	4	11	15	21,612	
Coastwise steamers.....	65		65	182,027	27
Barges.....	8		8	5,183	24½
Total.....	167	57	224	623,344	

The above gives the total number of arrivals and departures.

PORT ARTHUR, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1908.....	1,174,415	\$21,405,118	1915.....	4,533,864	\$77,764,725
1909.....	1,597,797	29,533,243	1916.....	4,618,501	89,128,245
1910.....	1,674,316	37,008,643	1917.....	6,984,286	149,483,438
1911.....	1,880,017	43,293,854	1918.....	5,956,580	164,460,622
1912.....	2,050,362	42,531,814	1919.....	6,948,502	215,857,032
1913.....	3,171,758	62,134,154	1920 ¹	7,494,260	253,421,055
1914.....	4,090,928	60,814,058			

¹ Exclusive of 3,128,891 tons cargoes in transit, valued at \$140,326,024.

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Textiles: Sisal.....	1,043	1,043	\$187,740	\$187,740
Nonmetallic minerals.....		1,577,241		25,849,170
Crude and fuel oil.....	1,472,580		20,616,120	
Gasoline and kerosene.....	104,661		5,233,050	
Unclassified: Merchandise.....	592	592	177,600	177,600
Total.....		1,578,876		26,214,510
EXPORTS.				
Vegetable food products, oilseeds, expressed oils and beverages.....		58,873		4,536,996
Feed.....	17,014		1,020,840	
Wheat.....	41,859		3,516,156	
Textiles: Cotton.....	167	167	66,800	66,800
Wood and paper.....		108,952		4,359,700
Lumber.....	108,898		4,355,920	
Roofing paper.....	54		3,780	
Nonmetallic minerals.....		1,770,344		55,295,300
Asphalt.....	650		11,060	
Crude and fuel oil.....	1,174,444		23,488,880	
Gasoline and kerosene.....	566,299		28,310,450	
Lubricating oil.....	28,182		3,381,840	
Wax.....	859		103,080	
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel.....	209	209	31,350	31,350
Unclassified: Merchandise.....	29,080	29,080	8,724,000	8,724,000
Total.....		1,967,625		73,014,146
Total imports and exports.....		3,546,501		99,228,656

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals.....			24,600		\$1,284,220
Crude and fuel oil.....	1,058			\$21,160	
Gasoline and kerosene.....		22,314		1,115,700	
Lubricating oil.....		1,228		147,360	
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel.....		4,743	4,743	711,450	711,450
Machinery and vehicles: Machinery.....		236	236	70,800	70,800
Chemicals: Chemicals, miscellaneous.....		2,197	2,197	2,197,000	2,197,000
Unclassified.....			6,727		2,018,100
Merchandise.....		4,026		1,207,800	
Miscellaneous.....		2,701		810,300	
Total.....	1,058	37,445	38,503		6,281,570
SHIPMENTS, COASTWISE.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages: Groceries.....		2,216	2,216	664,800	664,800
Nonmetallic minerals.....			3,679,154		146,906,605
Asphalt.....		6,815		115,855	
Crude and fuel oil.....	1,833,735			36,674,700	
Gasoline and kerosene.....		1,578,801		78,939,690	
Lubricating oil.....		259,803		31,176,360	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Unclassified: Miscellaneous.....		201	201	\$60,300	\$60,300
Total.....	1,833,735	1,847,836	3,681,571		147,631,705
Total receipts and shipments, coast- wise.....	1,834,793	1,885,281	3,720,074		153,913,275
LOCAL.					
Animals and animal products, except wool and hair: Shell.....	148,030		148,030	222,045	222,045
Nonmetallic minerals.....			79,655		57,079
Sand.....	22,925			34,387	
Water.....	56,730			22,692	
Total.....	227,685		227,685		279,124

CARGOES IN TRANSIT.

Commodities.	Short tons.	Value.	Commodities.	Short tons.	Value.
Asphalt.....	12,985	\$220,745	Lumber.....	136,993	\$5,479,720
Brick.....	4,016	60,240	Lubricating oil.....	312,847	37,541,640
Cement.....	1,369	20,535	Machinery.....	3,994	1,196,200
Crude and fuel oil.....	1,437,753	24,869,890	Miscellaneous.....	31,024	9,807,200
Groceries.....	4,778	1,433,400	Potatoes.....	29	2,704
Gasoline and kerosene.....	1,172,737	58,636,850			
Iron and steel.....	10,366	1,554,900	Total.....	3,128,891	140,326,024

The above figures include an estimate submitted by local interests of 613.437 tons of crude oil and its refined products sent down by lighters from the Neches River to extra-draft vessels at Sabine Pass entrance to enable a full load to be taken.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.				
Vegetable food products, oil seeds, expressed oils, and beverages.....			58,873	\$4,536,998
Textiles.....	1,043	\$187,740	167	66,800
Wood and paper.....			108,952	4,359,700
Nonmetallic minerals.....	1,577,241	25,849,170	1,770,344	55,295,300
Ores, metals, and manufactures of, except ma- chinery and vehicles.....			209	31,350
Machinery and vehicles.....				
Chemicals.....				
Unclassified.....	592	177,600	29,080	8,724,000
Total.....	1,578,876	26,214,510	1,967,625	73,014,148
Cargoes in transit.....				

Freight traffic, 1920—Continued.

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			148,030	\$222,045	148,030	\$222,045
Vegetable food products, oil seeds, expressed oils, and beverages.....	2,216	\$664,800			61,089	5,201,796
Textiles.....					1,210	254,540
Wood and paper.....					108,952	4,359,700
Nonmetallic minerals.....	3,703,754	148,190,825	79,655	57,079	7,130,994	229,392,374
Ores, metals, and manufactures of, except machinery and vehicles.....	4,743	711,450			4,962	742,800
Machinery and vehicles.....	236	70,800			236	70,800
Chemicals.....	2,197	2,197,000			2,197	2,197,000
Unclassified.....	6,928	2,078,400			36,600	10,990,000
Total.....	3,720,074	153,913,275	227,685	279,124	7,494,260	253,421,055
Cargoes in transit.....					3,128,891	140,326,628

Vessel classification.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Average draft, loaded.
Registered:					<i>Feet.</i>
Steamers.....	260	190	450	1,538,928	27½
Sailing vessels.....	3	13	16	7,143	.....
Coastwise steamers.....	733		733	2,282,557	27½
Motor vessels.....	81		81	98,931	.....
Barges.....	146		146	226,479	24½
Total.....	1,223	203	1,426	4,154,038	.....

The above gives the total number of arrivals and departures.

NECHES RIVER, TEX.

(BEAUMONT, TEX.)

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1906.....	178,656	\$501,050	1914.....	157,797	\$1,278,305
1907.....	150,040	360,072	1915.....	285,985	1,843,407
1908.....	156,204	469,390	1916.....	674,058	10,903,471
1909.....	157,277	521,865	1917.....	1,066,310	46,360,078
1910.....	107,028	598,934	1918.....	1,100,047	37,286,939
1911.....	235,394	931,512	1919.....	2,167,801	92,609,536
1912.....	216,173	1,624,848	1920.....	2,960,525	135,746,913
1913.....	221,519	1,711,832			

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Crude and fuel oil.....	314,195	314,195	\$4,398,730	\$4,398,730
EXPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages.....		2,591		771,304
Groceries.....	2,562		768,600	
Potatoes.....	29		2,704	
Wood and paper: Lumber.....	67,985	67,985	2,719,400	2,719,400
Nonmetallic minerals.....		1,175,224		44,715,575
Brick.....	4,016		60,240	
Cement.....	1,369		20,535	
Crude and fuel oil.....	461,905		9,238,100	
Gasoline and kerosene.....	707,934		35,396,700	
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel.....	10,366	10,366	1,554,900	1,554,900
Machinery and vehicles: Machinery.....	3,994	3,994	1,278,080	1,278,080
Unclassified: Miscellaneous.....	29,045	29,045	8,713,500	8,713,500
Total.....		1,289,205		59,752,759
Total imports and exports.....		1,603,400		64,151,499

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals: Crude and fuel oil..	33,961		33,961	\$679,220	\$679,220
SHIPMENTS, COASTWISE.					
Nonmetallic minerals.....			1,233,331		70,856,455
Asphalt.....	492,696	12,985		220,745	
Crude and fuel oil.....				9,853,920	
Gasoline and kerosene.....		464,803		23,240,150	
Lubricating oil.....		312,847		37,511,640	
Total.....	492,696	790,635	1,233,331		70,856,455
Total receipts and shipments, coast- wise.....	526,657	790,635	1,317,292		71,535,675
LOCAL.					
Nonmetallic minerals: Sand.....	39,833		39,833	59,749	59,749

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Vegetable food products, oil seeds, expressed oils, and beverages.....			2,591	\$771,304
Wood and paper.....			67,985	2,719,400
Nonmetallic minerals.....	314,195	\$4,398,730	1,175,224	44,715,575
Ores, metals, and manufactures of, except machinery and vehicles.....			10,366	1,554,900
Machinery and vehicles.....			3,994	1,278,080
Unclassified.....			29,045	8,713,500
Total.....	314,195	4,398,730	1,289,205	59,752,759

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Local.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Vegetable food products, oil seeds, expressed oils, and beverages.....					2,591	\$771,304
Wood and paper.....					67,985	2,719,400
Nonmetallic minerals.....	1,317,292	\$71,535,675	39,833	\$59,749	2,846,544	120,708,729
Ores, metals, and manufactures of, except machinery and vehicles.....					10,366	1,554,900
Machinery and vehicles.....					3,994	1,278,080
Unclassified.....					29,045	8,713,500
Total.....	1,317,292	71,535,675	39,833	59,749	2,980,525	135,746,913

The above figures include an estimate submitted by local interests of 613,437 tons of crude oil and its refined products sent down by lighters from the Neches River to extra-draft vessels at Sabine Pass entrance to enable a full load to be taken.

Vessel classification.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Average draft loaded.
Registered:					<i>Fect.</i>
Steamers.....	155	163	318	843,149	23
Sailing vessels.....	1		1	9	
Coastwise steamers.....	102		102	367,721	23
Motor vessels.....	1		1	4,066	
Barges.....	235		235	191,971	22
Total.....	494	163	657	1,404,916	

The above gives the total number of arrivals and departures.

SABINE-NECHES CANAL, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1908.....	110,992	\$719,400	1915.....	543,157	\$4,723,692
1909.....	111,025	740,050	1916.....	965,722	13,670,219
1910.....	106,240	904,011	1917.....	1,437,439	54,899,582
1911.....	259,776	1,279,962	1918.....	1,293,376	41,038,100
1912.....	270,904	2,096,487	1919.....	1,852,731	72,314,312
1913.....	629,001	3,846,752	1920.....	3,208,546	140,383,103
1914.....	679,319	3,607,957			

[Navigation season: Entire year.]

Freight traffic, 1920.

Commodities.	Amounts in short tons.	Value.	Commodities.	Amounts in short tons.	Value.
CARGOES IN TRANSIT.			CARGOES IN TRANSIT—CON.		
Asphalt.....	12,985	\$220,745	Lubricating oil.....	312,847	\$37,541,640
Brick.....	4,016	60,240	Machinery.....	3,994	1,196,200
Cement.....	1,369	20,535	Miscellaneous.....	31,024	9,307,200
Crude and fuel oil.....	1,437,753	24,869,890	Potatoes.....	29	2,704
Groceries.....	4,778	1,433,400	Sand.....	22,925	34,387
Gasoline and kerosene.....	1,172,737	58,636,850	Water.....	56,730	22,692
Iron and steel.....	10,366	1,554,900			
Lumber.....	136,993	5,479,720	Total.....	3,208,546	140,383,103

The above figures include an estimate submitted by local interests of 613,437 tons of crude oil and its refined products sent down by lighters from the Neches River to extra-draft vessels at Sabine Pass entrance to enable a full load to be taken.

Vessel classification.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Average draft loaded.
Registered:					<i>Fed.</i>
Steamers.....	174	167	341	875,911	23
Sailing vessels.....	15		15	5,612	
Coastwise steamers.....	105		105	374,628	23
Motor vessels.....	1		1	2,068	
Barges.....	279		279	203,964	22
Total.....	574	167	741	1,461,183	

The above gives the total number of arrivals and departures.

SABINE RIVER, TEX.

(ORANGE, TEX.)

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893.....	146,363	\$1,591,280	1907.....	405,172	\$1,384,517
1894.....	245,657	1,518,630	1908.....	308,825	1,173,640
1895.....	184,738	736,044	1909.....	344,225	1,222,083
1896.....	271,257	979,380	1910.....	287,068	1,304,790
1897.....	245,364	1,181,154	1911.....	417,933	1,229,720
1898.....	273,506	1,394,557	1912.....	599,792	3,136,879
1899.....	270,642	1,106,993	1913.....	443,989	3,206,479
1900.....	32,148	248,617	1914.....	505,271	3,159,496
1901.....	459,909	2,000,032	1915.....	541,260	3,875,957
1902.....	413,174	1,202,964	1916.....	495,330	4,991,474
1903.....	325,761	743,425	1917.....	215,605	2,743,522
1904.....	292,184	841,094	1918.....	205,768	3,458,539
1905.....	198,210	1,294,227	1919.....	207,422	4,372,178
1906.....	409,870	1,268,950	1920.....	263,812	6,018,282

[Navigation season: Entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber.....	69,008	69,008	\$2,760,320	\$2,760,320
Unclassified: Miscellaneous.....	1,778	1,778	533,400	533,400
Total		70,786		3,293,720

DOMESTIC.

SHIPMENTS, COASTWISE.			
Nonmetallic minerals: Crude and fuel oil.....	134,996	134,996	\$2,699,920
LOCAL FREIGHT TRAFFIC.			
Nonmetallic minerals.....		58,030	\$24,642
Sand.....	1,300		\$1,850
Water.....	56,730		22,692
Total	58,030	58,030	24,642

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	69,008	\$2,760,320					69,008	\$2,760,320
Nonmetallic minerals.....			134,996	\$2,699,920	58,030	\$24,642	193,026	2,724,562
Unclassified.....	1,778	533,400					1,778	533,400
Total.....	70,786	3,293,720	134,996	2,699,920	58,030	24,642	263,812	6,018,282

Vessel classification.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Average draft loaded.
Registered:					<i>Fed.</i>
Steamers.....	19	4	23	32,762	23
Sailing vessels.....	14		14	5,603	.....
Coastwise steamers.....	3		3	5,907	23
Barges.....	44		44	11,993	22
Total.....	80	4	84	56,265	.....

The above gives the total number of arrivals and departures.

JOHNSONS BAYOU, LA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1899.....	3,163	\$99,473	1910.....	(1)	(1)
1900.....	3,594	94,823	1911.....	2,331	\$208,130
1901.....	4,363	114,898	1912.....	6,941	400,454
1902.....	2,952	89,080	1913.....	5,936	387,578
1903.....	2,612	88,000	1914.....	2,214	156,712
1904.....	4,574	152,445	1915.....	2,270	111,192
1905.....	(1)	(1)	1916.....	7,102	504,258
1906.....	2,840	121,800	1917.....	8,334	714,100
1907.....	(1)	(1)	1918.....	9,104	1,227,075
1908.....	(1)	(1)	1919.....	9,525	1,278,809
1909.....	(1)	(1)	1920.....	8,548	524,300

¹No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
LOCAL.				
Animals and animal products, except wool and hair.....		6,308		\$195,650
Chickens and eggs.....	3		\$1,200	
Hides.....	40		12,000	
Live stock.....	6,235		170,450	
Meats, dressed.....	30		12,000	
Vegetable food products, oil seeds, expressed oils, and beverages.....		450		27,400
Cottonseed meal.....	100		5,400	
Feed.....	200		12,000	
Melons.....	100		5,000	
Potatoes, sweet.....	50		5,000	
Wood and paper.....		890		31,250
Cordwood.....	150		1,650	
Lumber.....	740		29,600	
Unclassified: Merchandise.....	900	900	270,000	270,000
Total.....	8,548			524,300

Vessel classification.

Classes.	Number.	Net registered tonnage.	Average draft loaded.
Registered gasoline launches.....	373	3,600	<i>Fed.</i> 3
Unregistered barges.....	7	350	4½
Total.....	280	3,950	.....

The above gives the total number of arrivals and departures.

TRINITY RIVER, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891.....	9,954	\$47,034	1906.....	(1)	(1)
1892.....	9,584	61,810	1907.....	(1)	(1)
1893.....	9,306	52,907	1908.....	(1)	(1)
1894.....	7,682	68,272	1909.....	(1)	(1)
1895.....	9,858	56,497	1910.....	(1)	(1)
1896.....	7,721	37,846	1911.....	(1)	(1)
1897.....	6,828	59,606	1912.....	60,677	\$768,116
1898.....	9,858	56,497	1913.....	27,147	406,428
1899.....	(1)	(1)	1914.....	12,610	102,394
1900.....	(1)	(1)	1915.....	6,902	130,483
1901.....	16,390	106,325	1916.....	4,841	192,016
1902.....	8,800	45,000	1917.....	11,066	133,844
1903.....	22,120	232,050	1918.....	5,488	119,075
1904.....	(1)	(1)	1919.....	1,855	89,235
1905.....	(1)	(1)	1920.....	1,764	19,428

¹ No statistics available.

² 387 tons of this consisted of logs floated or towed.

[Navigation season: Entire season in pools formed by 7 completed locks and dams and in lower tidal portion. During rises from Dallas, Tex., to mouth.]

Freight traffic, 1920.

DOMESTIC.

RECEIPTS AND SHIPMENTS.

[Average haul approximately 12 miles.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Animals and animal products, except wool and hair.....			4		\$1,630
Eggs.....		1		\$330	
Hides.....		1		300	
Poultry.....		2		1,000	
Vegetable food products: Feed.....	1		1	60	60
Wood and paper.....			1,699		9,638
Cordwood.....	75			750	
Logs.....	1,574			6,888	
Lumber.....	50			2,000	
Nonmetallic minerals: Oil.....	30		30	600	600
Machinery and vehicles: Sawmills.....		30	30	7,500	7,500
Total receipts and shipments.....	730	34	764	19,428	19,428

¹ Includes 387 tons of logs floated or towed.

From data received it is impossible to divide this commerce into receipts and shipments; practically all, however, consists of shipments. All commerce is local, in pools formed by locks and dams and in the lower tidal portion.

No commercial boats operated. Vessels operated by companies cutting timber and individuals marketing produce.

SUMMARY.

Classes of commodities.	Domestic, local.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	4	\$1,630
Vegetable food products.....	1	60
Wood and paper.....	1,699	9,638
Nonmetallic minerals.....	30	600
Machinery and vehicles.....	30	7,500
Total.....	764	19,428

¹ 337 tons of logs floated or towed.

Vessel classification.

Classes.	Number.	Tonnage.	Average draft loaded.
Gasoline launches.....	3	20	<i>Fect.</i> 2.0
Barges.....	1	40	2.6

LOCKS AND DAMS, TRINITY RIVER, TEX.

Very little commerce was carried on through the improved section of the river. There are several small gasoline launches and barges that occasionally made short trips. The pools above the Locks and Dams Nos. 7 and 25 (White Rock Shoals) were used at intervals during the year 1920, the commerce transported and logs towed amounting to 694 tons, valued at \$15,288. This tonnage is included in the commercial statistics for Trinity River, Tex.

BRAZOS RIVER, TEX., FROM OLD WASHINGTON TO WACO.

Comparative statement of traffic.

There has been no commerce reported on this portion of the river.

[Navigation season: Dependent entirely upon rains.]

No commerce has been reported for the year.

RED RIVER FROM FULTON, ARK., TO MOUTH OF WASHITA RIVER, OKLA

Comparative statement of traffic.

Year.	Red River above Fulton.		Kiamichi River.			
			Carried in vessels.		Logs floated.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
1891.....	2,223	\$265,000	(1)	(1)	(1)	(1)
1892.....	4,227	397,280	(1)	(1)	(1)	(1)
1894.....	38,826	133,000	(1)	(1)	(1)	(1)
1896.....	39,648	193,000	(1)	(1)	(1)	(1)
1912.....	13,832	45,250	(1)	(1)	(1)	(1)
1913.....	3,115	16,645	(1)	(1)	(1)	(1)
1914.....	1,318	10,425	1,135	\$15,389		
1915.....	1,294	4,280	812	8,645		
1916.....	(1)	(1)	392	5,345	2,091	\$64,821
1917.....	(1)	(1)	16	2,750		
1918.....	(1)	(1)	(1)	(1)	(1)	(1)
1919.....	(1)	(1)			544	8,160
1920.....	(1)	(1)	93	21,125		

Passengers carried, 1920, 500.

¹ No statistics available.

KIAMICHI RIVER, OKLA.

[Navigation season: During rises except in lower portion entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS AND SHIPMENTS.					
Animals and animal products except wool and hair.....			17		\$6,500
Dairy products.....		1		\$400	
Fish and oysters.....		4		1,200	
Eggs.....		5		1,650	
Hides.....		1		300	
Live stock.....		1		250	
Poultry.....		5		2,500	
Vegetable and food products.....			20		2,675
Corn.....		3		150	
Feed.....		5		300	
Fruits.....		1		300	
Hay and straw.....		5		125	
Nuts.....		1		300	
Produce.....		2		600	
Provisions.....		3		900	
Textiles, dry goods.....		2	2	2,000	2,000
Wood and paper.....			24		950
Fence posts.....	20			500	
Furniture.....		2		400	
Telephone poles.....	2			50	
Ores, metals and manufactures of, except machinery and vehicles.....			5		1,050
Castings.....		3		450	
Hardware.....		2		600	
Machinery and vehicles.....			5		1,500
Engines.....		2		600	
Implements.....		2		600	
Machinery.....		1		300	
Unclassified.....			20		6,660
Household goods.....		10		3,650	
Not itemized.....		10		3,000	
Total.....	22	71	93	21,125	21,125

From data received it is impossible to divide this commerce into shipments and receipts, the greater portion, however, consists of shipments.

All commerce is local between Sawvar, Okla. (St. L. & S. F. R. R. bridge), and the mouth of river, a distance of 24 miles.

Average haul, miles and rate per ton-mile, unknown.

SUMMARY.

Classes of commodities.	Domestic, local.	
	Tons.	Value.
Animals and animal products, except wool and hair	17	\$6,300
Vegetable food products.....	20	2,675
Textiles.....	2	2,000
Wood and paper.....	24	960
Ores, metals, and manufactures of, except machinery and vehicles.....	5	1,050
Machinery and vehicles.....	5	1,500
Unclassified.....	20	6,650
Total.....	93	21,125

Vessel classification.

Classes.	Number.	Ton- nage.	Average draft loaded.
Gasoline launches.....	1	8	<i>Fect.</i> 1.7

SULPHUR RIVER, TEX. AND ARK.

There has been no commerce reported on this river since the calendar year 1910.

CYPRESS BAYOU AND WATERWAY BETWEEN JEFFERSON, TEX., AND SHREVEPORT, LA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1897.....	578	\$53,600	1909.....	2,112	\$298,230
1898.....	(¹)	(¹)	1910.....	11,543	1,629,496
1899.....	(¹)	(¹)	1911.....	14,258	1,570,085
1900.....	(¹)	(¹)	1912.....	9,331	531,508
1901.....	(¹)	(¹)	1913.....	44,475	996,103
1902.....	(¹)	(¹)	1914.....	32,990	956,530
1903.....	4,550	27,150	1915.....	11,444	641,361
1904.....	1,849	9,100	1916.....	19,460	1,982,009
1905.....	5,997	32,320	1917.....	28,290	3,576,296
1906.....	(¹)	(¹)	1918.....	14,747	2,139,205
1907.....	(¹)	(¹)	1919.....	11,638	2,064,890
1908.....	(¹)	(¹)	1920.....	16,546	1,542,050

Passengers carried, 1920, 150.

¹ No statistics available.

[Navigation season: Entire year from Caddo Lake Dam to Jefferson, Tex. (43 miles). From Caddo Lake Dam to Red River navigable only during high water (23 miles).]

Freight traffic, 1920.

DOMESTIC.

[Average haul, approximately 10 miles.]

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS AND SHIPMENTS.				
Vegetable food products, etc.....		134		\$3,314
Oats.....	78		\$4,914	
Hay and straw.....	56		1,400	
Wood and paper.....		7,784		199,108
Logs.....	4,009		48,108	
Lumber.....	3,775		151,000	
Nonmetallic minerals.....		860		9,178
Cement.....	52		780	
Coal.....	67		670	
Crude oil.....	347		6,940	
Rock.....	350		700	
Sand and gravel.....	44		88	
Ores, metals, and manufactures of, except machinery and vehicles.....		5,159		802,500
Castings.....	1,994		299,100	
Pipe, tubes, and fittings.....	2,550		359,550	
Rods, plates, etc.....	66		6,600	
Tools.....	549		137,250	
Machinery and vehicles.....		1,523		456,900
Boilers.....	160		48,000	
Drilling machinery.....	757		227,100	
Engines.....	536		160,800	
Pumps.....	70		21,000	
Unclassified.....		1,086		68,050
Oil well supplies.....	55		16,500	
Not itemized.....	1,031		51,550	
Total.....	16,546	16,546	1,398,025	1,542,050

From data received it is impossible to divide this commerce into receipts and shipments. Practically all commerce except logs and rock consists either of receipts or of local shipments by oil companies.

All commerce is local in vicinity of Mooringsport, La., and Jefferson, Tex.

No commercial boats operated. Vessels operated by companies developing oil fields and cutting timber.

SUMMARY.

Classes of commodities.	Domestic, local.	
	Tons.	Value.
Vegetable food products.....	134	\$3,314
Wood and paper.....	7,784	199,108
Nonmetallic minerals.....	860	9,178
Ores, metals, and manufactures of, except machinery and vehicles.....	5,159	802,500
Machinery and vehicles.....	1,523	456,900
Unclassified.....	1,086	68,050
Total.....	16,546	1,542,050

Vessel classification.

Classes.	Number.	Tonnage.	Average draft loaded.
			<i>Feet.</i>
Tugs.....	5	58	3.1
Gasoline launches.....	36	35	1.5
Barges.....	17	670	3.0

VICKSBURG, MISS., DISTRICT.

RED RIVER BELOW FULTON, ARK.

Comparative statement of traffic.

Year.	Short tons.			Value.	Passengers.
	Floated logs.	Other commerce.	Cargoes in transit.		
1916.....	19,264	14,040	9,718	\$1,750,890	862
1917.....		20,859	52,595	4,370,588	
1918.....	2,000	10,688	25,466	3,598,279	96
1919.....		7,130	20,575	6,560,829	937
1920.....		102	7,281	1,758,688	

¹ Includes value of cargoes in transit to points on tributary waterways, viz., \$1,718,288.

[Navigation season: Jan. 1 to Dec. 31.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities.	By classes.	By commodities.	By classes.	
UPBOUND, INTERNAL.					
Animals and animal products, except hair and wool:					Miles.
Fish.....	102	102	\$40,400	\$40,400	75

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Cottonseed meal.....	275	\$8,250	Hides.....	13	\$6,500
Grain.....	571	37,400	Hogs.....	315	94,500
Hay.....	558	23,436	Poultry.....	27	16,300
Provisions.....	1,187	356,100	Cotton seed.....	632	21,172
Brick.....	54	810	Cotton.....	612	367,200
Cement.....	20	540	Lumber.....	92	3,680
Coal.....	160	1,600	Unclassified.....	2,577	773,100
Power machinery.....	160	5,000			
Cattle.....	28	2,800	Total.....	7,281	1,718,288

Vessel classification.

Unregistered American, gasoline, 4.

OUACHITA AND BLACK RIVERS, ARK. AND LA.

Comparative statement of traffic.

Year.	Amount in tons.			Value.	Passengers.
	Floated logs.	Other commerce.	Cargoes in transit.		
1916.....	45,104	94,422	.....	\$2,874,163	866
1917.....	4,800	155,222	18,114	4,981,895	1,483
1918.....	1,408	110,371	10,656	4,225,733	144
1919.....	8,876	112,666	26,047	5,583,289	338
1920.....	17,005	70,589	23,555	2,964,902	.....

¹ Includes value of cargoes in transit, valued at \$648,964.

[Navigation season: Jan. 1 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amounts in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Vegetable food products, etc			1,664		\$370,966	Miles.	Cents.
Grain.....		351		\$22,990		73	2
Hay.....		178		7,478		73	2
Provisions.....		1,135		340,500		73	2
Nonmetallic minerals.....			485		5,340		
Brick.....	30			450		73	2
Cement.....		20		540		73	1
Coal ¹	435			4,350		60	
Machinery and vehicles: Power machinery.....		310	310	10,000	10,000	60	
Total.....	465	1,994	2,459		386,306		
DOWNBOUND, INTERNAL.							
Animal and animal products, except wool and hair.....			378		117,000		
Cattle.....		28		2,800		73	4
Hides.....		13		6,500		73	2
Hogs.....		315		94,500		73	3
Poultry.....		22		13,200		73	5
Vegetable food products: Cotton seed.....		470	470	15,745	15,745	73	1
Textiles: Cotton, long staple.....		403	403	241,800	241,800	73	4
Wood and paper.....			65,602		785,862		
Hardwood logs.....	44,367			370,360		15	
Softwood logs.....	17,005			290,662		15	
Lumber ²	400			16,000		20	1
Shingles.....		32		1,920		73	2
Ties.....	300			1,800		20	1
Staves.....		3,498		105,120		73	2
Nonmetallic minerals: Sand and gravel ²	15,850		15,850	39,625	39,625	22	
Unclassified.....		2,432	2,432	729,600	729,600	73	2
Total.....	77,922	7,213	85,135		1,929,632		

¹ Government shipment.² Government shipment, 113 tons lumber, 15,850 tons gravel.

Freight traffic, 1920—Continued.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Cottonseed meal.....	275	\$8,250	Softwood logs (rafts).....	10,677	\$192,186
Grain.....	220	14,410	Lumber.....	302	12,080
Hay.....	390	15,960	Ties.....	2,000	12,000
Brick.....	24	360	Shingles.....	79	4,740
Poultry.....	5	3,000	Staves.....	1,970	59,100
Cotton seed.....	177	5,930	Unclassified.....	145	43,500
Cotton, short staple.....	370	222,000			
Hardwood logs.....	6,931	55,448	Total.....	23,555	648,964

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			378	\$117,000	378	\$117,000
Vegetable food products, oilseeds, expressed oils, and beverages.....	1,664	\$370,966	470	15,745	2,134	386,711
Textiles.....			403	241,800	403	241,800
Wood and paper.....			65,602	785,862	65,602	785,862
Nonmetallic minerals.....	485	5,340	15,850	39,625	16,335	44,965
Machinery and vehicles.....	310	10,000			310	10,000
Unclassified.....			2,432	729,600	2,432	729,600
Total.....	2,459	386,306	85,135	1,929,632	87,594	2,315,938

Cargoes in transit, short tons, 23,555; value, \$618,964.

Vessel Classification.

Classes.	Average draft.	American.	Net tonnage.
Registered:			
Steam.....	4.0	6	529
Gasoline.....	2.6	4	54
Unregistered:			
Gasoline.....	2.5	6	62
Barges.....	5.0	20	(¹)
Total.....		36	645

¹ Not reported.

TENSAS RIVER AND BAYOU MACON, LA.

Comparative statement of traffic.

Year.	Amount in tons.		Value.	Passengers.
	Floated logs.	Other commerce.		
1916.....	8,032	168	\$25,318	
1917.....		8,344	115,230	
1918.....		20,745	301,928	
1919.....	4,914	68,269	1,716,523	417
1920.....	11,740	90,982	960,560	

[Navigation season: Entire year.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Vegetable food products.....			400		\$19,620	Miles.	Cents.
Grain.....		120		\$7,860		50	13
Hay.....		280		11,760		50	8
Total		400	400		19,620	50	
DOWNBOUND, INTERNAL.							
Animals and animal products, except wool and hair: Hogs.....		17	17	5,100	5,100	12	25
Wood and paper.....			102,305		935,840		
Hardwood logs.....	90,565			724,520		45	2.4
Softwood logs.....	11,740			211,320		12	4.4
Total.....	102,305	17	102,322		940,940		

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			17	\$5,100	17	\$5,100
Vegetable food products, oil seeds, expressed oils, and beverages.....	400	\$19,620			400	19,620
Wood and paper.....			102,305	935,840	102,305	935,840
Total.....	400	19,620	102,322	940,940	102,722	960,560

Vessel classification.

Classes.	Average draft.	American.	Net tonnage.
Registered:			
Steam.....	3.0	1	80
Gasoline.....	3.5	3	65
Unregistered:			
Gasoline.....	2.6	1	12
Barges.....	(1)	4	(1)
Total.....		9	157

¹ Not reported.

BOEUF RIVER, LA.

Comparative statement of traffic.

Year.	Amount in tons.	Value.	Passengers.
1916.....	2,055	\$185,887	.....
1917.....	2,649	288,513	21
1918.....	2,818	279,860	.....
1919.....	3,395	509,353	.....
1920.....	2,633	331,567	.....

[Navigation season: Jan. 1 to July 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Vegetable food products:						Miles.	Cents.
Provisions.....		158	158	\$47,400	\$47,400	80	2
Nonmetallic minerals: Brick	24	.....	24	360	360	80	1
Total.....	24	158	182	.....	47,760	80	.....
DOWNBOUND, INTERNAL.							
Vegetable food products:							
Cotton seed.....		162	162	5,427	5,427	80	1.7
Textiles.....			295		177,000		8½
Cotton, long staple.....		30		18,000			
Cotton, short.....		265		159,000		80	3½
Wood and paper.....			1,849		57,880	80	
Lumber.....	54			2,080		80	6
Shingles.....	65			3,900		80	7
Staves.....	1,730			51,900		80	2½
Unclassified.....		145	145	43,500	43,500	80	
Total.....	1,849	602	2,451	.....	283,807	80	.....

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products, oil seeds, expressed oils, and beverages.....	158	\$47,400	162	\$5,427	320	\$52,827
Textiles.....			295	177,000	295	177,000
Wood and paper.....			1,849	57,880	1,849	57,880
Nonmetallic minerals.....	24	360			24	360
Unclassified.....			145	43,500	145	43,500
Total.....	182	47,760	2,451	283,807	2,633	331,567

Vessel classification.

Classes.	Average draft.	American.	Net tonnage.
Registered:			
Steam.....	4.2	3	453
Gasoline.....	5	1	8
Total.....		4	461

BAYOU BARTHOLOMEW, LA.*Comparative statement of traffic.*

Year.	Amount in tons.		Value.
	Floated logs.	Other commerce.	
1916.....	625	263	\$13,011
1917.....	7,500	4,536	97,680
1918.....	3,000	6,014	60,070
1919.....	732		14,640
1920.....	1,575		28,350

[Navigation season: Jan. 1 to July 31, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
DOWNBOUND, INTERNAL.				
Wood and paper: Softwood logs.....	1,575	1,575	\$28,350	\$28,350

Vessel classification.

Timber floated downstream; no vessels reported.

SALINE RIVER, ARK.*Comparative statement of traffic.*

Year.	Amount in tons.		Value.
	Floated logs.	Other commerce.	
1916.....		5,625	\$56,250
1917.....	3,000		30,000
1918 ¹			
1919.....	675	3,610	31,110
1920.....	675	6,931	67,598

¹ Not reported.

[Navigation season: Jan. 1 to July 31, 1920, and December, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
DOWNBOUND, INTERNAL.						
Wood and paper:					Miles.	Cents.
Hardwood logs.....	6,931	7,606	\$55,448	\$67,598	30	3.7
Softwood logs.....	675		12,150		30	3
Total.....	7,606	7,606		67,598	30	

Vessel classification.

Classes.	Average draft.	American.	Net tonnage.
Registered gasoline.....	2.5	1	30
Unregistered barges.....		1	100
Total.....		2	130

BAYOUS D'ARBONNE AND CORNEY, LA.

Comparative statement of traffic.

Year.	Amount in tons.		Value.
	Floated logs.	Other commerce.	
1916.....	14,488	4,883	\$610,565
1917.....	800	1,143	104,257
1918.....	305	4,872	488,700
1919.....	7,975	10,773	785,061
1920.....	8,427	3,187	288,524

[Navigation season: Jan. 1 to July 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Vegetable food products.....			505		\$48,250	Miles.	Cents.
Cottonseed meal.....		200		\$1,000		33	7
Grain.....		100		6,550		35	10
Hay.....		100		4,200		35	10
Provisions.....		105		31,500		35	8
Machinery and vehicles: Power machinery.....	160	160	160	5,000	5,000	40	
Total.....	160	665	665		53,250	35.6	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND, INTERNAL.							
Animals and animal products, except wool and hair: Poultry and eggs.....		5	5	\$1,500	\$1,500	<i>Miles.</i> 35	<i>Cents.</i> 17
Vegetable food products: Cotton seed.....		15	15	503	503	35	8
Textiles.....			100		51,625		
Cotton, short staple.....		75		45,000		32	13
Seed cotton.....		25		6,625		30	11
Wood and paper.....			10,829		181,646		
Softwood logs, floated.....	8,427			151,686		32	4
Lumber.....	148			9,920		32	4
Shingles.....		14		840		32	12
Ties.....	2,000			12,000		40	6
Staves.....	240			7,200		36	11
Total.....	10,815	134	10,949	.....	235,274	34	.....

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			5	\$1,500	5	\$1,500
Vegetable food products, oilseeds, expressed oils, and beverages.....	505	\$48,250	15	503	520	48,753
Textiles.....			100	51,625	100	51,625
Wood and paper.....			10,829	181,646	10,829	181,646
Machinery and vehicles.....	160	5,000			160	5,000
Total.....	665	53,250	10,949	235,274	11,614	288,524

Vessel classification.

Classes.	Average draft.	American.	Net tonnage.
Registered: Gasoline.....	2.5	5	63
Unregistered: Gasoline.....	3	1	15
Barges.....	5	5	355
Total.....		11	433

OUACHITA RIVER, ARK. AND LA., LOCK AND DAM NO. 3.

Comparative statement of traffic.

Year.	Amount in tons.		Value.	Number of lockages.
	Floated logs.	Other commerce.		
1920.....	2,248	64	\$36,968	22

[Navigation season: Aug. 10 to Nov. 30, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
UPBOUND, INTERNAL.					
Vegetable food products: Provisions.....		52	52	\$15,600	\$15,600
DOWNBOUND, INTERNAL.					
Wood and paper.....			2,260		21,368
Hardwood logs.....	1,928			15,428	
Softwood logs.....	320			5,760	
Staves.....	12			180	
Total.....	2,260		2,260		21,368

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....			2,260	\$21,368	2,260	\$21,368
Unclassified ¹	52	\$15,600			52	15,600
Total.....	52	15,600	2,260	21,368	2,312	36,968

¹ Provisions.*Vessel classification.*

Classes.	Average draft.	American.	Net tonnage.
Registered: Steam.....	4.5	1	91
Unregistered:			
Gasoline.....	3	1	8
Barges.....	4	1	100
Total.....		3	199

OUACHITA RIVER, ARK. AND LA., POOLE NO. 8, OUACHITA RIVER LOCK AND DAM NO. 8.

Comparative statement of traffic.

Year.	Commerce.	Value.	Number of lockages.
1920.....	Short tons. 61,270	\$490,160	None.

[Navigation season: July 17 to Dec. 6, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
DOWNBOUND, INTERNAL.					Miles.	Cents.
Wood and paper, hardwood logs	61, 270	61, 270	\$490, 160	\$490, 160	15	3½

Vessel classification.

Classes.	Average draft.	American.	Net tonnage.
Registered, gasoline	2.3	2	39
Unregistered:			
Gasoline	2.2	1	8
Barges		2	(1)
Total		5	47

¹ Not reported.

YAZOO RIVER, MISS.

Comparative statement of traffic.

Year.	Amount in short tons.			Value.	Passengers.
	Floated logs.	Other commerce.	Cargoes in transit.		
1916	62, 078	80, 156		\$2, 016, 350	50
1917	1, 750	60, 303	40, 365	2, 318, 401	
1918	4, 599	91, 878	22, 396	5, 076, 613	
1919	6, 202	35, 875	74, 098	7, 811, 663	
1920	10, 679	67, 511	96, 649	5, 313, 204	22

¹ Includes value of cargoes in transit, viz, \$4,070,948.

[Navigation season: Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Vegetable food products.....			1,775		\$248,731	Miles.	Cents.
Cottonseed—							
Meal.....		112		\$3,360		40	2½
Hulls.....		30		600		40	2½
Grain.....		921		60,325		40	1
Hay.....		113		4,746		40	1
Provisions.....		599		179,700		40	4½
Nonmetallic minerals.....			583		6,187		
Brick.....	12			120		40	3½
Cement.....		21		567		30	2
Coal.....	550			5,500			
Total.....	562	1,796	2,358		254,918		
DOWNBOUND, INTERNAL.							
Animals and animal products, except wool and hair.....			14		2,600		
Cattle.....		8		800		40	9
Hogs.....		6		1,800		40	3½
Vegetable food products: Cottonseed.....		2,713	2,713	90,886	90,886	25	2
Textiles.....			215		129,000		
Cotton, long staple.....		172		103,200		60	4½
Cotton, short staple.....		43		25,800		60	4½
Wood and paper.....			72,678		705,722		
Hardwood logs.....	60,980			487,840		40	1
Softwood logs.....	10,679			192,202		22	5
Lumber.....	210			8,400		40	5
Shingles.....		7		420		40	5
Ties.....	300			1,800			
Staves.....	111			15,060		15	1
Nonmetallic minerals: Sand and gravel.....	15		15	30	30	30	2
Unclassified.....		197	197	59,100	59,100		
Total.....	72,686	3,146	75,832		987,338		

CARGOES IN TRANSIT.

Commodity.	Amount in short tons.	Value.	Commodity.	Amount in short tons.	Value.
Cottonseed:			Cotton.....	140	\$84,000
Meal.....	333	\$9,990	Hardwood logs.....	75,605	604,840
Hulls.....	5	100	Softwood logs, rafts.....	2,500	45,000
Bran.....	4,659	305,165	Lumber.....	1,864	74,560
Hay.....	1,386	58,212	Shingles.....	1	60
Provisions.....	6,310	1,893,000	Unclassified.....	3,243	972,900
Cement.....	1	27			
Cattle.....	37	3,700	Total.....	96,649	4,070,948
Hides.....	1	500			
Cottonseed.....	564	18,894			

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Upbound.		Downbound		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			14	\$2,600	14	\$2,600
Vegetable and food products, oil seeds, expressed oils, and beverages.....	1,775	\$248,731	2,713	90,886	4,488	339,617
Textiles.....			215	129,000	215	129,000
Wood and paper.....			72,678	705,722	72,678	705,722
Nonmetallic minerals.....	583	6,187	15	30	598	6,217
Unclassified.....			197	59,100	197	59,100
Total.....	2,358	254,918	75,832	987,338	78,190	1,242,256

Cargoes in transit, short tons, 96,649; value, \$4,070,948.

Vessel classification.

Classes.	Average draft.	American.	Net tonnage.
Registered:			
Steam.....	3	8	577
Gasoline.....		5	80
Unregistered:			
Gasoline.....		2	16
Barges.....	3.5	13	(1)
Total.....		28	673

¹ Not reported.

TCHULA LAKE, MISS.

Comparative statement of traffic.

Year.	Commerce.	Value.
	<i>Tons.</i>	
1916.....	180	\$28,325
1917.....	7,982	39,910
1918.....	8,170	49,020
1919.....	14,200	113,600

[Navigation season: Jan. 1 to July 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities.	By classes.	By commodities.	By classes.	
DOWNBOUND, INTERNAL.					
Wood and paper: Hardwood logs.....	14,200	14,200	\$113,600	\$113,600	Miles. 15

Vessel classification.

Classes.	Average draft.	American.	Net tonnage.
Registered: Steam.....	3.5	1	36
Unregistered: Barges.....	5	2	500
Total.....		3	536

TALLAHATCHIE AND COLDWATER RIVERS, MISS.

Comparative statement of traffic.

Year.	Amount in tons.		Value.
	Floated logs.	Other commerce.	
1916.....	69,000	27,304	\$2,291,787
1917.....	22,500	33,158	3,350,050
1918.....	7,500	25,758	3,986,870
1919.....	27,000	41,528	6,223,300
1920.....		22,444	3,043,825

[Navigation season: Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Vegetable food products.....			7,500		\$415,500	Miles.	Cents.
Cottonseed meal.....		2,000		\$67,000		50	6
Grain.....		5,000		327,500		50	6
Hay.....		500		21,000		50	6
Total.....		7,500	7,500		415,500	50	
DOWNBOUND, INTERNAL.							
Animals and animal products, except wool and hair.....			71		11,500		
Cattle.....		60		6,000		50	12
Hides.....		11		5,500		50	10
Vegetable food products: Cotton seed		9,563	9,563	320,025	320,025	40	4
Textiles.....			3,675		2,205,000		
Cotton, long staple.....		2,940		1,764,000		50	12
Cotton, short staple.....		735		441,000		50	12
Wood and paper: Lumber.....	1,545		1,545	61,800	61,800	50	15
Unclassified.....		100	100	30,000	30,000	50	6
Total.....	1,545	13,399	14,944		2,628,325		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			71	\$11,500	71	\$11,500
Vegetable food products, oilseeds, expressed oils, and beverages.....	7,500	\$415,500	9,553	320,025	17,053	735,525
Textiles.....			3,675	2,205,000	3,675	2,205,000
Wood and paper.....			1,545	61,800	1,545	61,800
Unclassified.....			100	30,000	100	30,000
Total.....	7,500	415,500	14,944	2,628,325	22,444	3,043,825

Vessel classification.

Classes.	Average draft.	American.	Net tonnage.
Registered: Steam.....	5.5	1	97
Unregistered: Barges.....	4.5	1	175
Total.....		2	272

BIG SUNFLOWER RIVER, MISS.

Comparative statement of traffic.

Year.	Amount in tons.		Value.
	Floated logs.	Other commerce.	
1916.....	58,120	11,818	\$1,188,160
1917.....		61,407	1,468,532
1918.....		18,583	1,681,273
1919.....	2,317	38,871	2,019,466
1920.....		65,472	1,904,950

[Navigation season: Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Vegetable food products.....			5,405		\$797,987	Miles.	Cents.
Cotton seed:							
Meal.....		214		\$6,420		40	1
Hulls.....		5		100		50	2
Grain.....		2,334		153,877		50	1
Hay.....		845		35,490		50	1
Provisions.....		2,007		602,100		50	1
Nonmetallic minerals.....			129		2,307		
Brick.....	98			1,470		50	1
Cement.....		31		837		50	1
Total.....	98	5,436	5,534		\$800,294		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND, INTERNAL.							
Animals and animal products, except wool and hair.....			19		\$2,500	<i>Miles.</i>	<i>Cents.</i>
Cattle.....		17		\$1,700		40	16
Hides.....		1		500		40	
Hogs.....		1		300		40	10
Vegetable food products: Cotton seed		376	376	12,596	12,596	40	10
Textiles.....			403		241,800		
Cotton, long staple.....		20		12,000			
Cotton, short staple.....		383		229,800			
Wood and paper.....			57,989		502,460		
Hardwood logs.....	56,785			454,280		30	6
Lumber.....	1,203			48,120		10	2
Staves.....	1			60		40	3
Unclassified.....		1,151	1,151	345,300	345,300	40	3
Total.....	57,989	1,949	59,938		1,104,656		

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.			19	\$2,500	19	\$2,500
Vegetable food products, oilseeds, expressed oils, and beverages.	5,405	\$797,987	376	12,596	5,781	\$810,583
Textiles			403	241,800	403	241,800
Wood and paper			57,989	502,460	57,989	502,460
Nonmetallic minerals	129	2,307			129	2,307
Unclassified			1,151	345,300	1,151	345,300
Total	5,534	800,294	59,938	1,104,656	65,472	1,904,950

Vessel classification.

Classes.	Average draft.	American.	Net tonnage.
Registered:			
Steam	2.7	3	136
Gasoline	2.5	2	28
Unregistered:			
Gasoline	2.5	3	26
Barges	3.8	8	1,200
Total		16	1,390

STEELE BAYOU, MISS.

Comparative statement of traffic.

Year.	Amount in short tons.		Value.
	Floated logs.	Other commerce.	
1916.....	6,728	1,320	\$89,036
1917.....	7,506	2,420	54,660
1918.....	24,789	2,641	223,570
1919.....	5,513	11,243	157,693
1920.....	12,130	3,713	341,263

[Navigation season: Entire year, 1920, except October and November.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Vegetable food products.....			300		\$54,825	Miles.	Cents.
Grain.....		150		\$9,825			
Provisions.....		150		45,000			
Total.....		300	300		54,825		
DOWNBOUND, INTERNAL.							
Vegetable food products: Cotton seed		188	188	6,298	6,298	14	
Textiles.....			60		36,000		
Cotton, long staple.....		48		28,800		14	
Cotton, short staple.....		12		7,200			
Wood and paper.....			15,295		244,140		
Hardwood logs.....	3,150			25,200		24	64
Softwood logs.....	12,130			218,340		16	3
Lumber.....	15			600		14	
Total.....	15,295	248	15,543		286,438	15	

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products, oilseeds, expressed oils, and beverages.....	150	\$9,825	188	\$6,298	338	\$16,123
Textiles.....			60	36,000	60	36,000
Wood and paper.....			15,295	244,140	15,295	244,140
Unclassified.....	150	45,000			150	45,000
Total.....	300	54,825	15,543	286,438	15,843	341,263

Vessel classification.

Classes.	Average draft.	American.	Net tonnage.
Registered:			
Steam.....	2.5	1	45
Gasoline.....	2.5	1	14
Unregistered:			
Gasoline.....	3	1	8
Barges.....	4.5	1	250
Total.....		4	317

MOUTH OF YAZOO RIVER, MISS.

Comparative statement of traffic.

Year.	Amount in tons.		Value.	Passengers.
	Floated logs.	Other commerce.		
1918.....	26,827	68,994	\$4,172,086	
1919.....	13,680	51,814	2,561,510	
1920.....	15,179	74,018	4,392,945	22

Cargoes in transit.

[Navigation season: Jan. 1 to Dec. 31, 1920.]

Commodity.	Amount in short tons.	Value.	Commodity.	Amount in short tons.	Value.
Cottonseed meal.....	445	\$13,350	Cotton, long staple.....	112	\$67,200
Cottonseed hulls.....	35	700	Cotton, short staple.....	28	16,800
Grains.....	5,714	374,267	Hardwood logs.....	52,445	419,560
Hay.....	1,495	62,790	Softwood logs (rafts).....	15,179	273,222
Provisions.....	6,889	2,066,700	Lumber.....	1,961	78,440
Brick.....	8	120	Shingles.....	2	120
Cement.....	22	594	Ties.....	300	1,800
Coal.....	550	5,500	Unclassified.....	3,283	984,900
Cattle, etc.....	37	3,700			
Cotton seed.....	692	23,182	Total.....	89,197	4,392,945

OPERATING AND CARE OF CANALS, BIG SUNFLOWER RIVER LOCK AND DAM, MISS.

Comparative statement of traffic.

Year.	Tons.	Value.	No. of lockages.
1918.....	686	\$142,068	
1919.....	14,085	732,811	
1920.....	11,324	2,070,222	9

[Navigation season: July 8 to Dec. 24, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Vegetable food products: Cottonseed meal.....		119	6,988	\$3,570	\$1,414,654	<i>Miles.</i> 40	<i>Cents.</i> 12
Grain.....		2,175		142,462		50	2
Hay.....		541		22,722		50	1
Provisions.....		4,153		1,245,900		50	1
Nonmetallic minerals.....			108		2,580	50	
Brick.....	28			420		50	1
Cement.....		80		2,160		50	1
Total.....	28	7,068	7,096		1,417,234		
DOWN BOUND, INTERNAL.							
Animals and animal products, except wool and hair: Cattle.....		20	20	2,000	2,000	40	16
Wood and paper.....			2,116		23,388		
Hardwood logs.....	1,470			11,760		30	
Lumber.....	646			11,628		10	2
Unclassified.....		2,092	2,092	627,600	627,600		
Total.....	2,116	2,112	4,228		652,988		

SUMMARY.

Classes of commodities.	Upbound.		Down bound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			20	\$2,000	20	\$2,000
Vegetable food products, oilseeds, expressed oils, and beverages.....	6,988	\$1,414,654			6,988	1,414,654
Wood and paper.....			2,116	23,388	2,116	23,388
Nonmetallic minerals.....	108	2,580			108	2,580
Unclassified.....			2,092	627,600	2,092	627,600
Total.....	7,096	1,417,234	4,228	652,988	11,324	2,070,222

Vessel classification.

Classes.	Average draft.	American.	Net tonnage.
Registered:			
Steam.....	2.7	3	136
Gasoline.....	2.5	2	28
Unregistered, barges.....	3.8	4	600
Total.....		9	764

MEMPHIS, TENN., DISTRICT.

ARKANSAS RIVER, ARK. AND OKLA.

Comparative statement of traffic.

Year.	Total tons.	Value	Passengers.	Floated logs.
Fiscal year:				<i>Tons.</i>
1894.....	1 63,563	\$2,846,395	5,700	1,240
1895.....	50,498	2,380,420	3,151	11,400
1896.....	54,261	2,408,720	1,877	18,185
1897.....	66,077	1,657,218	2,728	(¹)
1898.....	58,578	1,626,756	2,189	(²)
1899.....	68,057	2,470,131	3,208	(²)
1900.....	75,354	2,078,940	2,997	(²)
1901.....	71,998	2,623,800	9,039	24,100
1902.....	40,557	1,630,297	6,575	12,200
1903.....	86,068	2,389,020	5,956	(²)
1904.....	92,041	2,079,893	17,787	(²)
1905.....	86,458	1,636,930	20,587	19,050
1906.....	103,214	1,512,719	12,382	(²)
1907.....	104,593	2,192,531	12,686	(²)
1908.....	103,919	2,150,269	1,785	(²)
1909.....	92,455	2,122,105	844	55,100
1910.....	62,172	1,630,338	656	8,100
Calendar year:				
1910.....	59,516	1,612,288	750	(²)
1911.....	81,371	1,085,018	176	32,500
1912.....	71,516	1,170,990	(¹)	(²)
1913.....	55,228	573,089	207	(²)
1914.....	79,169	812,657	6,973	(²)
1915.....	39,966	800,868	542	(²)
1916.....	51,423	487,316	1,483	(²)
1917.....	38,659	682,798	2,443	10,101
1918.....	33,384	863,925	775	16,251
1919.....	23,721	187,246	3,900	4,478
1920.....	30,568	177,000	913	17,560

¹ Local sand and gravel movement at towns along the river not included in statements of any annual tonnage.

² Not reported separately.

³ Value of logs, floated and towed in rafts, \$83,800.

Navigation season.—The river was open all the year. The periods for navigation by boats of 3 feet draft to Little Rock were: January 5 to February 15; March 1 to June 15; August 20 to September 15; October 15 to 30, and December 12 to end of year.

The highest points to and from which any navigation was reported were:

By steamboats: Littles, 28 miles above Little Rock and 205 miles above the lower mouth of the river.

By rafts: Dardanelle, 87 miles above Little Rock and 264 miles above the lower mouth of the river.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, except wool and hair: Meats (packing house).....		2	2	\$600	\$600	Miles. 22
Vegetable food products, oilseeds, etc.....			385		11,524	
Cotton seed.....		369		11,000		26
Oats, grain.....		16		524		22
Textiles: Cotton (bales).....		20	20	4,000	4,000	21
Wood and paper.....			29,805		139,663	
Logs, in barges.....	11,735			48,213		40
Logs, towed in raft.....	7,930			37,800		50
Logs, floated in raft.....	9,630			46,000		89
Lumber.....	510			7,650		22
Nonmetallic minerals: Cement.....	1		1	13	13	107
Unclassified.....			355		21,200	
Groceries.....		205		6,200		74
Merchandise.....		150		15,000		75
Total.....	29,805	762	30,568		\$177,000	59

LOCAL TRAFFIC.

Commodities.	Amount in short tons.	Value.	Haul.
Sand.....	151,200	\$122,600	$\frac{1}{2}$ to 3 miles; average, 1 mile.

Agricultural products from the lower reaches of the river were handled by Mississippi River boats in calendar year 1920 under special job agreements. The quantity of products handled by them was not reported.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	2	\$600
Vegetable food products, oilseeds, etc.....	385	11,524
Textiles.....	20	4,000
Wood and paper.....	29,805	139,663
Nonmetallic minerals.....	1	13
Unclassified.....	355	21,200
Total¹.....	30,568	177,000

¹ Local traffic, 151,200 tons sand, valued at \$122,600, not included.

Vessel classification.

Classes.	Number.	Net registered tonnage.
AMERICAN, INLAND.		
Registered:		
Steamers.....	9	876
Motor boats.....	2	37
Unregistered, barges.....	15	.....

WHITE RIVER, ARK.

Comparative statement of traffic.

	Total tons.	Value.	Passengers.	Floated logs.
Fiscal year:				Tons.
1894.....	43,793	\$1,043,438	3,289	27,584
1895.....	73,759	2,494,377	1,117	28,671
1896.....	74,882	2,056,991	2,226	53,113
1897.....	73,612	2,435,814	2,528	(1)
1898.....	102,337	1,415,013	2,807	(1)
1899.....	117,891	1,619,351	2,812	(1)
1900.....	134,696	2,244,222	2,375	(1)
1901.....	148,574	1,700,355	2,839	(1)
1902.....	184,066	1,242,438	1,268	75,500
1903.....	140,013	882,225	267	70,006
1904.....	193,498	1,021,778	1,632	63,850
1905.....	134,588	770,689	488	75,900
1906.....	100,083	766,138	205	52,000
1907.....	127,812	830,659	157	42,300
1908.....	161,246	962,508	301	53,900
1909.....	134,200	671,250	4	26,950
1910.....	141,771	619,718	(2)	28,364
Calendar year:				
1910.....	118,496	831,022	50	39,500
1911.....	143,285	1,448,401	255	(1)
1912.....	167,307	1,025,287	737	(1)
1913.....	264,817	1,016,305	1,111	(1)
1914.....	254,331	1,060,526	(3)	125,000
1915.....	165,230	838,414	1,069	(1)
1916.....	197,328	1,857,519	705	77,900
1917.....	205,198	1,155,107	884	104,557
1918.....	210,780	1,479,973	221	69,634
1919.....	222,335	1,654,843	117	27,780
1920.....	232,492	1,199,876	63	82,173

¹ Not reported separately.² Not reported.³ Value of logs, floated and towed in rafts, \$369,780.

Navigation season.—The river was open all the year. During 3 weeks in August and 4 weeks in September and October navigation drafts were limited to 4 feet below mouth of Black River. During the same periods, the navigation drafts between Black River and Batesville were 18 to 20 inches.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair			761		\$22,705	Miles.
Cattle.....		3		\$360		24
Fish.....		75		3,000		70
Horses and mules.....		13		1,920		77
Mussel shells.....	670			17,425		77
Vegetable food products, oilseeds, etc.			2,878		124,641	
Corn.....		4		144		40
Cotton seed.....		125		3,750		40
Hay.....		2		33		8
Oats.....		24		935		40
Potatoes.....		3		99		40
Rice (rough).....		2,720		119,680		70
Textiles: Cotton (baled).....		50	50	10,000	10,000	40
Wood and paper.....			225,952		948,500	
Handle bolts.....	360			1,350		80
Logs, barged.....	143,287			573,150		25
Logs, to sea in raft.....	12,707			57,180		38
Logs, floated in raft.....	69,466			312,600		42
Lumber.....	100			1,500		90
Poles, cedar.....	32			2,720		40
Nonmetallic minerals.....			2,350		24,330	
Coal.....	1,560			12,480		40
Fuel oil.....		790		11,850		67
Vehicles: Automobiles.....		26	26	22,000	22,000	8
Unclassified.....			475		47,700	
Groceries.....		10		1,200		40
Miscellaneous.....		465		46,500		23
Total.....	228,182	4,310	232,492		1,199,876	32

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair	761	\$22,705
Vegetable food products, oilseeds, etc.	2,878	124,641
Textiles	50	10,000
Wood and paper	225,952	948,500
Nonmetallic minerals	2,350	24,330
Vehicles	26	22,000
Unclassified	475	47,700
Total	232,492	1,199,876

Vessel classification.

Classes.	Number.	Net registered tons.	Passengers.
AMERICAN, INLAND.			
Registered:			
Steamers	10	644	
Motor boats	9	117	63
Unregistered, barges	26		

WHITE RIVER, ARK.

Comparative statement of traffic.

	Total tons.	Value.	Passengers.	Floated logs.
Fiscal year:				<i>Tons.</i>
1894.....	43,793	\$1,043,438	3,289	27,584
1895.....	73,759	2,494,377	1,117	28,671
1896.....	74,882	2,056,991	2,226	53,113
1897.....	73,612	2,435,814	2,528	(¹)
1898.....	102,337	1,415,013	2,607	(¹)
1899.....	117,891	1,619,351	812	(¹)
1900.....	134,696	2,244,222	2,375	(¹)
1901.....	148,574	1,700,355	2,839	(¹)
1902.....	184,066	1,242,438	1,268	75,500
1903.....	140,013	882,225	267	70,006
1904.....	193,498	1,021,778	1,632	63,850
1905.....	134,588	770,689	488	75,900
1906.....	100,083	766,138	205	52,000
1907.....	127,812	830,659	157	42,300
1908.....	161,246	962,508	501	53,600
1909.....	134,200	671,250	4	26,950
1910.....	141,771	619,718	(²)	28,354
Calendar year:				
1910.....	118,496	833,022	50	39,500
1911.....	143,285	1,448,401	255	(¹)
1912.....	167,507	1,025,287	757	(¹)
1913.....	264,817	1,016,305	1,111	(¹)
1914.....	255,331	1,060,526	(²)	125,000
1915.....	165,230	838,414	1,069	(¹)
1916.....	197,328	1,857,519	705	77,900
1917.....	205,198	1,155,107	884	104,557
1918.....	210,780	1,479,973	221	69,634
1919.....	222,335	1,654,843	117	27,780
1920.....	232,492	1,199,876	63	82,173

¹ Not reported separately.² Not reported.³ Value of logs, floated and towed in rafts, \$369,780.

Navigation season.—The river was open all the year. During 3 weeks in August and 4 weeks in September and October navigation drafts were limited to 4 feet below mouth of Black River. During the same periods, the navigation drafts between Black River and Batesville were 18 to 20 inches.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Animals and animal products, ex- cept wool and hair.....			761		\$22, 705	Miles.
Cattle.....		3		\$360		24
Fish.....		75		3, 000		70
Horses and mules.....		13		1, 920		77
Mussel shells.....	670			17, 425		77
Vegetable food products, oilseeds, etc.....			2, 878		124, 641	
Corn.....		4		144		40
Cotton seed.....		125		3, 750		40
Hay.....		2		33		8
Oats.....		24		935		40
Potatoes.....		3		99		40
Rice (rough).....		2, 720		119, 680		70
Textiles: Cotton (baled).....		50	50	10, 000	10, 000	40
Wood and paper.....			225, 952		948, 500	
Handle bolts.....	360			1, 350		80
Logs, barged.....	143, 287			573, 150		25
Logs, towed in raft.....	12, 707			57, 180		38
Logs, floated in raft.....	69, 466			312, 600		42
Lumber.....	100			1, 500		90
Poles, cedar.....	32			2, 720		40
Nonmetallic minerals.....			2, 350		24, 330	
Coal.....	1, 560			12, 480		40
Fuel oil.....		790		11, 850		67
Vehicles: Automobiles.....		26	26	22, 000	22, 000	8
Unclassified.....			475		47, 700	
Groceries.....		10		1, 200		40
Miscellaneous.....		465		46, 500		23
Total.....	228, 182	4, 310	232, 492		1, 199, 876	32

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	761	\$22, 705
Vegetable food products, oilseeds, etc.....	2, 878	124, 641
Textiles.....	50	10, 000
Wood and paper.....	225, 952	948, 500
Nonmetallic minerals.....	2, 350	24, 330
Vehicles.....	26	22, 000
Unclassified.....	475	47, 700
Total.....	232, 492	1, 199, 876

Vessel classification.

Classes.	Number.	Net registered tons.	Passengers.
AMERICAN, INLAND.			
Registered:			
Steamers.....	10	644	
Motor boats.....	9	117	63
Unregistered, barges.....	26		

BLACK RIVER, ARK. AND MO.

Comparative statement of traffic.

Fiscal year.	Total tons.	Value.	Passengers.	Floated logs and ties.
Fiscal year:				<i>Tons.</i>
1894.....	87,536	\$956,962	2,008	51,675
1895.....	132,433	1,085,415	2,184	90,964
1896.....	111,278	891,437	3,710	73,812
1897.....	111,611	1,704,799	1,591	(¹)
1898.....	115,612	788,640	1,252	(¹)
1899.....	83,404	529,336	892	(¹)
1900.....	129,698	966,961	2,145	(¹)
1901.....	185,714	989,635	1,597	(¹)
1902.....	166,213	919,767	1,352	115,000
1903.....	138,181	698,649	1,563	77,400
1904.....	191,285	1,092,648	480	85,800
1905.....	144,065	1,004,299	291	56,300
1906.....	139,384	625,985	544	55,600
1907.....	107,914	692,968	237	35,300
1908.....	140,826	517,905	10	39,300
1909.....	86,070	439,355	(²)	46,500
1910.....	75,677	471,219	110	21,900
Calendar year:				
1910.....	74,062	348,042	977	20,700
1911.....	95,635	298,271	205	56,500
1912.....	76,391	267,608	715	24,000
1913.....	199,535	676,962	55	117,500
1914.....	169,679	596,674	124	88,400
1915.....	128,262	467,199	(³)	(¹)
1916.....	150,646	665,953	798	94,400
1917.....	154,281	735,726	19	93,442
1918.....	129,968	477,965	273	91,038
1919.....	121,248	592,554	(³)	80,259
1920.....	86,877	374,152	(³)	43,993

¹ Not reported separately.² Not reported.³ Value of logs, \$187,552.

Navigation season.—The river was open all the year. During the low-water season of the year—4 weeks in October and November—navigation drafts were limited to 3 feet below the mouth of Current River and 2½ feet above the mouth of Current River. During higher stages the customary load draft for barges below Current River was 4 to 4½ feet and above mouth of Current River 3½ to 4 feet.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average hauls.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						
Animals and animal products, except wool and hair: Mussel shells	325		325	\$8,837	\$8,837	<i>Miles.</i> 11
Vegetable food products.....			10		223	
Corn.....		3		108		20
Hay.....		7		115		20
Wood and paper.....			86,542		366,092	
Cedar posts.....	5			425		20
Handle bolts.....	6,580			24,675		73
Heading bolts.....	120			360		20
Logs, barged.....	28,964			115,850		16
Logs, floated in raft.....	43,993			187,552		43
Stave bolts.....	5,655			18,380		12
Ties, railway.....	75			600		10
Lumber.....	1,150			17,250		23
Total.....	86,867	10	86,877		374,152	34

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	325	\$8, 837
Vegetable food products.....	10	223
Wood and paper.....	86, 542	365, 092
Total.....	86, 877	374, 152

Vessel classification.

Classes.	Number.	Net registered tonnage.
AMERICAN, INLAND.		
Registered:		
Steamers.....	3	210
Motor boats.....	11	157
Unregistered, barges.....	14	

CURRENT RIVER, ARK. AND MO.

Comparative statement of traffic.

Fiscal year.	Total tons.	Value.	Passengers.	Floated logs and ties.
Fiscal year:				<i>Tons.</i>
1905.....	31, 205	\$362, 447	(¹)	23, 356
1906.....	29, 867	227, 291	505	23, 762
1907.....	17, 078	581, 528	240	(²)
1908.....	52, 417	306, 216	415	(²)
1909.....	43, 050	239, 899	198	(²)
1900.....	65, 043	573, 534	160	(²)
1901.....	64, 102	234, 555	60	47, 770
1902.....	37, 185	165, 766	627	34, 900
1903.....	45, 309	142, 899	345	39, 800
1904.....	55, 573	139, 199	220	33, 900
1905.....	74, 048	409, 297	182	38, 200
1906.....	47, 704	152, 216	8	11, 000
1907.....	48, 486	226, 655	(¹)	19, 400
1908.....	27, 696	115, 398	(¹)	25, 200
1909.....	10, 775	36, 802	178	6, 441
1910.....	25, 082	124, 001	2, 521	19, 400
Calendar year:				
1910.....	22, 557	121, 861	977	13, 180
1911.....	24, 014	67, 611	698	9, 120
1912.....	15, 589	95, 601	650	9, 050
1913.....	14, 836	140, 983	4, 160	9, 840
1914.....	21, 512	103, 094	1, 918	7, 960
1915.....	6, 371	31, 855	898	(²)
1916.....	11, 434	69, 735	72	11, 095
1917.....	16, 762	63, 375	25	16, 013
1918.....	11, 052	48, 945	(¹)	8, 400
1919.....	6, 737	39, 496	(¹)	5, 296
1920.....	14, 298	110, 428	(¹)	* 14, 125

¹ Not reported.² Not reported separately.³ Valued at \$102,820.

Navigation season.—The river was open all the year. During the low-water period in the autumn 4 feet was the controlling channel depth to Little Black River (32 miles from the mouth), 18 inches from there to Doniphan (21 miles farther), and 10 to 12 inches from Doniphan to Van Buren. No report was received of the commerce moved by the farmer-owned boats that navigated the river above Doniphan.

Freight traffic 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
INTERNAL.						
Wood and paper.....			14,283		\$103,803	Miles.
Cedar posts.....	5			\$425		30
Logs, barged.....	45			180		20
Logs, floated in raft.....	2,545			10,180		28
Stave bolts.....	108			378		30
Railway ties, floated in raft.....	11,580			92,640		39
Machinery: Sawmill outfit.....	15	15	15	2,625	2,625	30
Total.....	14,283	15	14,298		106,428	32

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Wood and paper.....	14,283	\$103,803
Machinery.....	15	2,625
Total.....	14,298	106,428

Vessel classification.

Classes.	Number.	Net regis- tered tonnage.
AMERICAN, INLAND.		
Registered motor boats.....	2	37
Unregistered:		
Motor boats.....	2	
Barges.....	4	

ST. FRANCIS AND L'ANGUILLE RIVERS AND BLACKFISH BAYOU, ARK.

Comparative statement of traffic.

	Total tons.	Value.	Passengers.	Floated logs and lumber.
Fiscal year:				<i>Tons.</i>
1894.....	1 19,763	\$98,375	72	13,000
1895.....	1 38,107	321,439	407	5,000
1896.....	1 67,740	401,457	255	19,700
1897.....	1 97,348	1,117,891	348	(²)
1898.....	1 23,819	237,481	115	(²)
1899.....	1 27,896	315,459	15	(²)
1900.....	1 45,065	194,237	211	36,044
1901.....	1 57,102	272,609	280	31,085
1902.....	1 85,831	269,190	200	28,610
1903.....	1 88,035	294,495	400	44,020
1904.....	1 119,172	423,469	606	71,503
1905.....	1 142,098	590,560	419	69,734
1906.....	1 137,319	472,257	497	79,600
1907.....	1 151,015	833,397	989	68,000
1908.....	1 286,820	1,376,757	840	94,400
1909.....	1 160,057	1,148,855	2,884	86,800
1910.....	1 180,270	679,662	2,182	79,400
Calendar year:				
1910.....	1 247,945	1,643,535	2,606	104,000
1911.....	1 298,470	1,443,778	2,192	126,000
1912.....	1 296,872	1,060,185	1,898	124,500
1913.....	1 346,557	1,232,178	5,595	218,000
1914.....	1 296,354	733,680	1,806	255,000
1915.....	1 146,442	462,500	579	132,500
1916.....	1 166,851	499,473	714	154,900
1917.....	1 344,278	1,553,605	1,190	126,142
1918.....	1 333,348	1,432,094	1,316	93,892
1919.....	1 200,112	1,226,898	450	69,428
1920.....	1 317,506	2,017,478	1,160	278,822

¹ St. Francis River only.

² Not reported separately.

³ St. Francis and L'Anguille Rivers.

⁴ St. Francis and L'Anguille Rivers and Blackfish Bayou.

⁵ Value of logs, towed and floated in rafts, \$1,278,000.

Navigation season.—The river was open all the year. The navigation periods for boats of 3-feet draft were:

To Marked Tree—January 1 to August 1, and December 15 to end of year.

To Marianna and Fifteen Mile Bayou—January 1 to October 1, and December 15 to end of year.

For boats of 6-feet draft: To Marked Tree—January 1 to July 1, and December 20 to end of year.

To Marianna and Fifteen Mile Bayou—January 1 to August 1, August 20 to September 3, September 20–25, and December 25 to end of year.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average hauls.
	Bulk.	Package.		By com- modities.	By classes.	
Animals and animal products, ex- cept wool and hair.....			1,077		\$129,460	<i>Miles.</i>
Hides.....		1		\$75		30
Hogs.....		5		750		45
Meats, packing-house.....		356		106,800		59
Mules.....		15		2,625		36
Muscle shells.....	700			19,210		22
Vegetable food products, oilseeds, etc.....			4,137		100,258	
Corn, grain.....		269		9,680		54
Cotton seed.....		1,386		41,580		53
Cottonseed meal.....		50		1,750		60
Hay.....		2,109		34,700		40
Oats.....		317		12,350		46
Potatoes.....		6		198		47
Textiles: Cotton, bales.....		714	714	142,800	142,800	17
Wood and paper.....			308,345		1,406,730	
Logs, in barres.....	28,968			116,600		26
Logs, towed in raft.....	171,824			792,000		50
Logs, floated in raft.....	106,998			486,000		20
Lumber.....	364			5,480		46
Shingles.....		71		6,050		37
Staves.....	100			1,200		40
Nonmetallic minerals.....			1,068		4,730	
Brick.....	1,017			4,068		60
Cement.....		51		662		20
Unclassified.....			2,165		233,500	
Household goods.....		90		18,000		41
Groceries.....		1,170		125,000		51
Merchandise.....		205		20,500		33
Miscellaneous.....		700		70,000		60
Total.....	309,991	7,515	317,506		2,017,478	38

SUMMARY.

Classes of commodities.	Domestic.	
	Short tons.	Value.
Animals and animal products, except wool and hair.....	1,077	\$129,460
Vegetable food products, oilseeds, etc.....	4,137	100,258
Textiles.....	714	142,800
Wood and paper.....	308,345	1,406,730
Nonmetallic minerals.....	1,068	4,730
Unclassified.....	2,165	233,500
Total.....	317,506	2,017,478

Vessel classification.

Classes.	Number.	Net reg- istered tons.	Passen- gers.
AMERICAN, INLAND.			
Registered:			
Steamboats.....	8	995	
Motor boats.....	30	360	1,160
Unregistered, barges.....	18		
Total.....	56	1,355	1,160

UPPER WHITE RIVER, ARK., LOCKS AND DAMS NOS. 1, 2, AND 3.

Comparative statement of traffic.

Calendar year.	Lock No. 1.		Lock No. 2.		Lock No. 3.		Intrapool.		Net after deducting duplication.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
1910.....	1,069	\$10,714	17,395	\$93,249	8,739	\$44,038	6,983	\$43,216	.....	.....
1911.....	784	5,644	11,391	81,886	5,468	38,559	7,263	43,402	.....	.....
1912.....	5,219	62,583	16,339	120,065	7,021	55,153	9,882	72,633	.....	.....
1913.....	5,241	28,773	15,548	84,115	5,813	56,837	13,579	33,501	.....	.....
1914.....	4,683	25,244	12,647	56,884	4,896	27,801	12,322	48,081	.....	.....
1915.....	2,153	11,728	8,232	36,688	2,635	14,965	12,320	49,221	20,101	\$87,015
1916.....	229	10,815	9,160	47,420	2,264	9,665	2,767	30,320	11,866	92,225
1917.....	910	6,700	9,693	82,074	2,205	12,333	5,569	38,444	16,014	123,562
1918.....	74	1,733	3,610	15,600	2,119	9,556	1,094	4,715	5,348	26,491
1919.....	289	2,634	3,438	18,801	1,011	8,403	12,648	96,339	15,854	119,623
1920.....	30	1,472	4,994	28,330	2,174	10,250	4,981	16,708	10,019	46,500

Navigation season.—The river was open all the year. Lock and dam No. 3 was closed to navigation August 18 to September 8 and September 14 to 30 because of erection of new gates.

Freight traffic.

DOMESTIC.

Classes and commodities.	Lock and Dam No. 1.					Lock and Dam No. 2.				
	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Pack-age.		By commodities.	By classes.	Bulk.	Pack-age.		By commodities.	By classes.
Animals and animal products: Mussel shells.....	23	.....	23	\$622	\$622	11	.....	11	\$302	\$302
Vegetable food products: Feed.....	2	.....	75	111
Wheat.....	1	.....	36	.....
Wood and paper: Excelsior bolts.....	481	.....	.....	1,102	.....
Heading bolts.....	1,803	.....	.....	5,409	.....
Hub blocks.....	1,583	.....	.....	6,332	.....
Hubs, finished.....	376	.....	.....	4,814	.....
Lumber.....	2	.....	.....	30	.....
Logs, barged.....	65	.....	.....	260	.....
Spokes.....	17	.....	.....	780	.....
Stave bolts.....	641	.....	.....	7,692	.....
Machinery: Agricultural implements.....	7	.....	1,175
Well drill.....	6	.....	.....	900	.....
Unclassified: Household goods.....	7	7	850	850	1	.....	.....	275	.....
Total.....	23	7	30	1,472	1,472	4,986	8	4,994	28,632	28,632

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Lock and Dam No. 3.				Intrapool.			
	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.		Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.	
			By commodities.	By classes.			By commodities.	By classes.
Animals and animal products: Mussel shells.	2	2	\$55	\$55				
Wood and paper.		2, 168		9, 795		4, 981		\$16, 708
Excelsior bolts.	35		87		811		\$2, 027	
Heading bolts.	914		2, 742					
Hub blocks.	608		2, 432					
Hubs, finished.	208		2, 696					
Spokes.	17		780					
Stave bolts.	386		1, 058		3, 795		13, 281	
Cordwood.					375		1, 400	
Machinery: Agricultural implements.	4	4	600	600				
Total.	2, 174	2, 174	10, 450	10, 450	4, 981	4, 981	16, 708	16, 708

Eliminating duplications of commerce passing through more than one lock the total tonnage is 10,019 short tons with estimated value of \$46,510.

Vessels and lockages.

Classes.	Lock No. 1.	Lock No. 2.	Lock No. 3.
Motor boats.	36	273	115
Barges.	1	292	146
Small boats.	354	306	130
Lockages.	357	539	221

ST. LOUIS, MO., DISTRICT.

MISSISSIPPI RIVER, BETWEEN OHIO AND MISSOURI RIVERS.

Comparative statement of traffic.¹

Year.	Tons.		Value.	Passengers.
	Rafted lumber and logs.	Total river freight. ²		
1887.....	213,165	1,537,562	\$43,901,034.90	(*)
1888.....	130,855	1,276,182	38,285,460.10	(*)
1889.....	127,995	1,413,594	44,131,414.00	(*)
1890.....	132,940	1,299,679	42,889,407.00	(*)
1891.....	142,090	1,125,423	39,389,805.00	(*)
1892.....	130,220	1,208,205	43,495,380.00	(*)
1893.....	126,510	1,057,599	40,188,762.00	(*)
1894.....	128,355	1,003,710	39,646,545.00	(*)
1895.....	98,685	838,900	34,394,900.00	(*)
1896.....	84,010	1,319,688	56,086,740.00	(*)
1897.....	69,565	1,115,850	49,097,400.00	(*)
1898.....	67,060	959,953	43,677,861.50	(*)
1899.....	71,960	700,531	32,924,957.00	(*)
1900.....	73,440	810,230	39,296,155.00	(*)
1901.....	60,550	703,054	35,152,700.00	(*)
1902.....	30,875	658,361	33,576,411.00	(*)
1903.....	4,700	590,484	31,315,410.00	(*)
1904.....	3,945	421,607	22,766,778.00	(*)
1905.....	1,210	440,154	24,208,470.00	(*)
1906.....	1,770	470,093	26,325,208.00	(*)
1907.....		435,542	24,711,894.00	(*)
1908.....		374,093	21,697,394.00	(*)
1909.....		352,055	20,771,245.00	511,576
1910.....		191,965	11,443,780.00	278,841
1911.....		369,295	20,776,226.00	(*)
1912.....		265,720	12,621,810.00	(*)
1913.....		258,709	11,755,500.00	(*)
1914.....		204,118	14,922,811.00	493,905
1915.....		258,701	14,013,520.00	568,081
1916.....	628	240,653	13,209,000.00	505,410
1917.....		293,248	15,401,544.00	275,514
1918.....	5,490	264,149	17,982,776.00	385,133
1919.....	7,468	288,286	22,684,001.00	442,603
1920.....	4,947	363,082	30,870,399.00	447,704

¹ For the entire district; total freight and value for the years 1887 to 1913, inclusive, taken from Annual Report, Chief of Engineers, 1914, page 2430, and for subsequent years from current annual reports.

² Includes rafted lumber and logs.

³ No statistics available.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
UPBOUND.						
Animals and animal products, ex- cept wool and hair.....	5,532		5,532	\$1,106,400	\$1,106,400	Miles. 104
Vegetable food products, oilseeds, expressed oils, and beverages;.....			6,835		356,556	
Molasses.....	3,078			52,576		185
Grain and its products.....	1,793			107,580		54
Groceries and provisions.....	1,279			127,900		17
Farm products.....	685			68,500		78
Textiles: Cotton.....		96	96	48,000	48,000	185
Wood and paper.....			25,814		1,000,122	
Lumber.....	676			40,560		60
Logs.....	23,700			948,000		185
Brush ¹	10			38		34
Piles ¹	1,428			11,524		70

¹ Government material.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average hauls.
	Bulk.	Package.		By com- modities.	By classes.	
UPBOUND—continued.						
Nonmetallic minerals.....			18, 137		\$86, 506	<i>Miles.</i>
Oil.....		185		\$1, 110		31
Coal ¹	12, 993			77, 958		136
Stone ¹	4, 959			7, 438		18
Ores, metals, and manufactures, except machinery and vehicles.....			66, 052		579, 586	
Iron, steel, and metals.....	1, 420			75, 200		175
Hardware.....		601		120, 200		17
Bauxite.....	64, 031			384, 186		185
Machinery and vehicles.....	1, 867		1, 867	373, 400	373, 400	44
Unclassified.....			55, 530		11, 106, 000	
Miscellaneous ²	53, 530			10, 706, 000		127
Sisal ⁴	2, 000			400, 000		51
Total.....	178, 981	882	179, 863		14, 656, 570	
DOWNBOUND.						
Animals and animal products, ex- cept wool and hair ³	7, 602		7, 602	1, 520, 400	1, 520, 400	22
Vegetable food products, oil seeds, expressed oils, and beverages.....			50, 318		3, 201, 523	
Cider.....		585		45, 513		17
Apples.....		2, 897		144, 850		17
Farm products.....		79		7, 900		17
Grain and its products.....	41, 811			2, 508, 660		171
Groceries and provisions ⁴	4, 946			494, 600		97
Wood and paper.....			10, 390		370, 077	
Logs ⁵	8, 939			357, 560		33
Lumber.....	72			4, 320		64
Brush ⁶	667			2, 501		17
Piles ⁷	712			5, 696		19
Nonmetallic minerals.....			50, 829		202, 447	
Oil.....	1, 259			7, 554		175
Coal ⁸	13, 532			81, 192		86
Stone ⁹	32, 814			49, 221		33
Cement ⁹		3, 224		64, 480		89
Ores, meta's, and manufactures, except machinery and vehicles.....	14, 524		16, 060	871, 440	1, 179, 040	185
Hardware.....		1, 536		307, 600		101
Machinery and vehicles.....			2, 046		614, 800	
Automobiles.....		257		257, 000		145
Vehicles.....		1, 789		357, 800		139
Unclassified.....			45, 974		9, 125, 542	
Miscellaneous ¹⁰	45, 617			9, 123, 400		129
Ice ¹	357			2, 142		51
Total.....	172, 852	10, 367	183, 219		16, 213, 829	
Total upbound and down- bound.....	351, 833	11, 249	363, 082		30, 870, 399	

¹ Government material.² Includes 12,927 tons Government material.³ Includes 39 tons Government material.⁴ Handled by district towboat for Government barge line.⁵ Includes 61 tons Government material.⁶ Includes 110 tons Government material.⁷ Includes 4,947 tons floated logs.⁸ Includes 13,106 tons Government material.⁹ Includes 2,323 tons Government material.¹⁰ Includes 545 tons Government material.

Freight traffic, 1920—Continued.

CARGOES IN TRANSIT, AND RAILROAD CAR FERRY TRAFFIC.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Automobiles.....	13,253	\$13,253,000	Oils.....	28,000	\$168,000
Coal and coke.....	1,926,371	5,779,113	Stone, gravel, and sand...	60,320	60,320
Cotton.....	800	240,000	Vehicles:		
Cotton seed.....	12,040	842,800	1-horse.....	2,147	429,400
Groceries and provisions...	98,161	8,616,100	2-horse.....	82,184	16,436,800
Grain and its products...	192,127	11,527,620	3-horse.....	12,264	2,452,800
Iron, steel, and metals...	55,607	3,339,420	4-horse.....	1,110	222,000
Live stock.....	2,076	415,200	Unclassified.....	255,330	51,066,000
Logs.....	2,499	99,960	Sand, barged.....	659,377	299,631
Lumber.....	135,027	8,101,620			
Molasses.....	6,014	102,850	Total.....	3,532,707	123,449,634

Passengers, 248,971.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	13,134	\$2,626,800
Vegetable food products, oil seed, expressed oils, and beverages.....	57,153	3,558,079
Textiles.....	96	48,000
Wood and paper.....	36,204	1,370,199
Nonmetallic minerals.....	68,966	288,953
Ores, metals, and manufactures, except machinery and vehicles.....	82,112	1,758,626
Machinery and vehicles.....	3,913	988,200
Unclassified.....	101,504	20,231,542
Total.....	363,082	30,870,399

	Short tons.	Value.
General ferry.....	133,402	\$34,804,063
Car ferry.....	2,732,315	88,089,100
Cargoes in transit.....	7,613	166,810
Sand barged.....	659,377	299,631
Total.....	3,532,707	123,449,634

Arrivals and departures of steamboats and barges at St. Louis, Mo., during calendar year 1920.

	Number.	Registered tonnage.	Times arrived.
Steamboats.....	1	1,479	19
Do.....	9	504-1,103	397
Do.....	11	250-468	322
Do.....	16	100-240	375
Do.....	22	9-99	104
Total.....	59		1,217
Barges.....	23	2,000	41
Do.....	18	1,000	88
Do.....	11	600	14
Do.....	19	500	38
Do.....	2	470	2
Do.....	1	200	5
Do.....	2	160	106
Do.....	1	150	1
Do.....	27	100	46
Do.....	3	50	8
Total.....	107		349

Passengers, upbound and downbound, 447,701.

ROCK ISLAND, ILL., DISTRICT.

MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS, MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1915.....	729, 723	\$14, 530, 507	2, 008, 500	1918.....	696, 503	\$14, 751, 007	2, 413, 233
1916.....	499, 531	13, 043, 623	2, 327, 755	1919.....	674, 192	13, 435, 619	2, 744, 301
1917.....	586, 420	16, 736, 724	2, 760, 095	1920.....	630, 951	13, 324, 349	3, 542, 196

Lumber.—The lumber business, formerly of great magnitude as connected with the movement of logs and lumber on the river, has almost entirely disappeared, owing to the destruction of the pine and hemlock forests in Wisconsin and Minnesota contiguous to the Mississippi River and its tributaries.

Steamboats and freight.—In 1920 the packet business was very small, there being no through boats operated from St. Louis to Minneapolis and St. Paul. One boat of the St. Louis & Tennessee River Packet Co. ran between St. Louis and Quincy and several boats of the Eagle Packet Co., St. Louis & Tennessee River Packet Co., and Carnival City Packet Co., ran from St. Louis to Hamburg, also to various points on the Illinois River; several wild boats ran between St. Louis and Hamburg during the fruit season. The decreased amount of packet traffic, reduced to 48,389 tons, was chiefly due to inability to obtain crews and the scarcity of north and south traffic, supplemented by the high cost of food stuffs, materials, and supplies. The excursion business was very large, 1,863,810 passengers were carried by the regular excursion and other wild boats. Of the fine large packets belonging to this river, none remain as such, having been remodeled for the excursion business. The principal part of the freight was carried for moderate distances by small gasoline or steam launches and towboats, usually with barges. The entire commercial traffic for 1920 amounted to 630,951 tons, which is 43,241 tons less than 1919. There is no hope of a prosperous river business on the upper Mississippi until adequate terminal and transfer facilities, connecting with railroads, are provided and also suitable towboats and barges.

[Navigation season, about eight months.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
Animal and animal products, except wool and hair.....			14, 790		\$2, 628, 902	Miles.
Cattle.....		10, 161		\$1, 587, 970		40.9
Eggs.....		273		113, 412		82.0
Fish.....	3, 897			818, 370		19.2
Hogs.....		12		2, 220		6.7
Horses.....		292		68, 950		18.2
Meats, fresh.....	13			3, 900		7.3
Poultry.....		142		34, 080		60.3
Turtles.....		10		3, 000		17.0
Vegetable food products, oil seeds, ex- posed oils, and beverages.....			28, 659		1, 812, 753	
Apples.....		11, 943		800, 040		31.4
Beer, near.....		237		14, 220		25.4
Bread.....		8		800		18.0
Cabbage.....	5			200		75.0
Cider.....		939		46, 940		46.8
Corn.....		610		16, 723		52.3
Feed, chopped.....	248			9, 920		23.0
Flour.....		291		29, 100		106.2
Garden products.....		63		6, 300		55.8
Groceries.....		1, 870		561, 439		32.8
Hay.....		3, 056		57, 819		64.6
Melons.....	1			50		65.0

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average hauls.
	Bulk.	Package.		By com- modities.	By classes.	
Vegetable food products, oil seeds, expressed oils, and beverages— Continued.						<i>Miles.</i>
Molasses.....		6, 014		\$102, 850		23. 0
Oats.....		188		7, 102		84. 9
Onions.....		5		300		65. 0
Pickles.....	1			200		65. 0
Potatoes.....		131		3, 970		49. 4
Straw.....		532		5, 500		32. 7
Wheat.....		2, 507		146, 280		82. 5
Other vegetable food products, ex- cepted fibers and wood: Drugs.....		291	291	245, 500	\$245, 500	23. 0
Textiles.....			38		17, 900	
Bags.....		22		4, 400		23. 0
Fish tackle.....		16		13, 500		93. 4
Wood and paper.....			44, 111		705, 976	
Barrels.....		169		41, 473		24. 6
Cooperage.....		591		20, 550		36. 9
Firewood.....	12, 064			84, 105		21. 2
Furniture.....		598		223, 118		23. 0
Lath.....		2		50		32. 5
Logs.....	24, 811			162, 024		40. 0
Lumber.....		5, 831		163, 159		22. 2
Shingles.....		32		1, 174		42. 7
Roofing material.....		13		1, 323		29. 5
Nonmetallic minerals.....			510, 682		751, 334	
Brick.....	650			2, 376		19. 6
Cement.....		18, 456		268, 487		111. 0
Coal.....	10, 882			67, 669		13. 2
Gravel.....	211, 193			178, 220		14. 3
Lime.....		51		1, 500		25. 5
Oils, lubricating.....		359		22, 030		31. 7
Rock.....	56, 046			75, 697		11. 1
Salt.....		79		2, 480		71. 4
Sand, building.....	207, 270			90, 515		10. 4
Sand, silica.....	5, 000			25, 000		18. 0
Tile, drain.....	696			17, 330		17. 9
Ores, metals, and manufactures of, except machinery and vehicles.....			409		48, 420	
Iron, scrap.....	62			4, 480		75. 6
Iron, structural.....		116		11, 600		23. 0
Sheet piling.....	231			32, 340		42. 3
Machinery and vehicles.....			6, 017		2, 368, 750	
Airplanes.....		1		7, 000		10. 0
Agricultural implements.....		313		78, 000		31. 9
Automobiles.....		975		975, 000		31. 4
Machinery.....		4, 571		1, 142, 750		26. 4
Motor cycles.....		7		7, 000		30. 0
Tractors.....		90		99, 000		23. 0
Trucks.....		51		60, 000		26. 3
Chemicals.....			56		2, 070	
Fertilizer.....	33			330		108. 0
Spray, insect.....		23		1, 740		16. 0
Unclassified.....			25, 898		4, 742, 744	
Ice.....	52			426		12. 8
Shells, clam.....	3, 093			217, 216		94. 8
Household and personal effects.....		10, 004		2, 000, 800		35. 6
General merchandise.....		12, 749		2, 524, 302		40. 7
Total.....	536, 248	94, 703	630, 951		13, 324, 349	20. 8

Freight Traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	14, 790	\$2, 628, 902
Vegetable food products, oilseeds, expressed oils, and beverages.....	28, 659	1, 812, 753
Other vegetable products, except fibers and wood.....	291	245, 500
Textiles.....	38	17, 800
Wood and paper.....	44, 111	705, 976
Nonmetallic minerals.....	510, 682	751, 834
Ores, metals, and manufactures of, except machinery and vehicles.....	409	48, 420
Machinery and vehicles.....	6, 017	2, 368, 750
Chemicals.....	56	2, 070
Unclassified.....	25, 898	4, 742, 744
Total.....	630, 951	13, 324, 349

General ferry, short tons, 337,290; value, \$40,536,117.

As only a comparatively small amount of freight is handled by the regular packet boats plying between St. Louis, Mo., and Hamburg, Ill., also to points on the Illinois River, there are no established freight rates based on ton-miles.

However, the published tariff rates per 100 pounds within the river district, depending upon distances the freight was carried, were as follows: First class, 30 cents; second class, 25 cents; third class, 20 cents; fourth class, 15 cents; fifth class, 8 cents; and a "special stock tariff" between St. Louis and points on the Illinois River. The bulk of the freight business is handled by small steam and gasoline boats which are owned and operated by the various firms for the purpose of transporting freight used in connection with their business.

There were carried by the various boats, 3,542,196 passengers, which includes 1,678,-386 ferry and 1,863,810 excursion and packet passengers.

The items of "Household and personal effects" and "General merchandise" is the package and other freight carried by the regular packets and various steam and gasoline boats, for which no specific manifest could be obtained.

Classified ferry traffic, 1920—Mississippi River, mouth of Missouri River to Minneapolis.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Apples.....	324	\$21, 225	Junk.....	50	\$2, 000
Automobiles.....	32, 060	34, 216, 600	Lath.....	6	630
Barrels.....	17	1, 293	Lime.....	40	550
Beer, near.....	54	3, 680	Live stock.....	501	67, 346
Bread.....	9	2, 880	Lumber.....	658	25, 306
Brick.....	10	123	Machinery.....	616	96, 305
Buggies.....	131	26, 600	Meats.....	12	3, 840
Butter tubs.....	25	4, 000	Melons.....	3	150
Cabbage.....	178	17, 800	Motor cycles.....	63	59, 050
Cattle.....	502	138, 144	Oats.....	18	852
Cement.....	157	3, 265	Oils.....	1	23
Cider.....	4	180	Potatoes.....	12	568
Coal.....	2, 001	12, 356	Poultry.....	4	1, 880
Corn.....	1, 767	48, 672	Roofing.....	11	500
Drugs.....	2	1, 000	Sand.....	247, 963	309, 618
Eggs.....	5	1, 800	Shells, clam.....	234	13, 925
Farm implements.....	8	1, 400	Sheet piling.....	60	4, 500
Farm products.....	33	1, 650	Shingles.....	62	4, 383
Fish.....	741	140, 027	Straw.....	27	306
Fish bait.....	2	80	Teams.....	12, 972	3, 325, 400
Fish tackle.....	2	800	Tile.....	1, 114	10, 720
Gasoline.....	13	1, 287	Tractors.....	7	3, 500
Gravel.....	23, 876	11, 066	Trunks.....	1	900
Groceries.....	63	19, 050	Turtles.....	6	1, 080
Hay.....	351	7, 649	Unclassified.....	4, 572	320, 553
Hogs.....	85	24, 920	Wheat.....	1, 234	82, 399
Horses.....	3, 823	1, 462, 100	Wood.....	268	2, 878
Household goods.....	76	19, 494			
Ice.....	496	2, 995			
Ice cream.....	6	2, 573	Total.....	337, 290	40, 536, 117

NOTE.—This table includes all general ferry traffic and other traffic which does not move a substantial distance across or along the waterway.

LOCK AT KEOKUK, IOWA (FORMERLY DES MOINES RAPIDS CANAL).

The controlling depth of the Keokuk Lock at extreme low water is 7 feet on the lower miter sill. The lock, being only a link in the chain of through navigation, the traffic is essentially that of the river as given under heading "Mississippi River from mouth of Missouri River to Minneapolis, Minn." During the calendar year 1920 there passed through the lock 312 steamboats, 97 barges, and 246 launches; passengers, 21,318; lockages, 489. All of which business was commercial or private.

LOCK AND DAM AT MOLINE, ILL.

The controlling depth at Moline Lock is 6 feet at extreme low water. The lock, being only a link in the chain of through navigation, the traffic is essentially that of the river as given under the heading "Mississippi River from mouth of Missouri River to Minneapolis, Minn." During the calendar year 1920 there passed through the lock 274 steamboats, 331 barges, and 371 launches; passengers, 20,541; lockages, 530. All of which business was commercial or private.

GALENA RIVER, ILL.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1911.....	2,002	(1)	7,456	1916.....	6,227	\$10,634	13,253
1912.....	2,404	(1)	10,445	1917.....	5,919	5,785	9,153
1913.....	5,495	(1)	16,226	1918.....	3,208	6,013	5,987
1914.....	4,899	(1)	14,020	1919.....	3,961	5,584	7,108
1915.....	6,749	\$33,810	16,719	1920.....	4,564	7,598	4,626

¹ No statistics available.

[Navigation season, about eight months.]

Freight traffic and vessel classification, 1920.

Designation.	Commercial and private.		Total.	Value.
	Upbound	Down bound.		
	<i>Tons.</i>	<i>Tons.</i>		
Barges.....			161	
Launches.....			1,754	
Passengers.....			4,626	
Sand and gravel.....	4,403		4,403	\$6,385
Wood and coal.....	44	3	47	285
Lumber.....		1	1	53
Logs.....	113		113	875
Lockages.....	343	342	685	

Total tons 4,564; ton miles 27,720; valuation \$7,598.

ILLINOIS AND MISSISSIPPI CANAL.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1914.....	12,222	\$261,581	15,965
1915.....	11,279	263,625	13,039
1916.....	9,392	294,648	27,163
1917.....	7,476	245,204	32,377
1918.....	10,556	459,137	35,027
1919.....	10,295	455,238	17,288
1920.....	7,428	257,018	17,909

Commercial traffic and lockages at each lock during calendar year 1920.

Lock No.—	Lockages.		Passengers.		Traffic.	
	East.	West.	East.	West.	East.	West.
	Number.	Number.	Number.	Number.	Tons.	Tons.
1.....	718	702	1,943	1,889	3,598	692
2.....	91	100	244	281	3,578	698
3.....	68	77	187	232	3,565	692
4.....	62	72	166	206	3,561	677
5.....	58	70	150	201	3,565	690
6.....	53	65	131	170	3,559	618
7.....	52	64	121	160	3,559	653
8.....	51	62	114	132	3,558	601
9.....	50	60	109	149	3,538	610
10.....	70	81	143	181	3,563	2,442
11.....	64	76	122	157	3,562	2,416
12.....	66	69	117	141	3,561	2,366
13.....	63	72	105	154	3,558	2,409
14.....	62	67	113	164	3,559	2,408
15.....	64	72	63	127	3,559	2,454
16.....	63	72	76	119	3,558	2,446
17.....	63	72	65	123	3,558	2,540
18.....	65	76	86	126	3,558	2,417
19.....	60	75	85	127	3,562	2,417
20.....	63	75	121	154	3,561	2,366
21.....	63	69	126	149	3,560	2,319
Emergency gates.....	65	73	118	162	3,595	2,311
22.....	73	86	225	259	405	2,107
23.....	47	63	126	162	25	1,640
24.....	33	45	105	141	9	363
25.....	47	56	137	157	424	107
26.....	44	63	137	175	424	68
27.....	47	60	139	167	420	82
28.....	42	64	116	153	425	44
29.....	80	93	255	280	434	44
30.....	240	243	147	441	.....	600
31.....	397	423	1,473	1,424	.....	11
32.....	344	331	697	193	.....	.....
Guard lock.....	42	45	107	117	9	4
Rock River lock.....	92	94	235	252	1	1
Passing no lock.....	.....	.....	1,726	1,726	.....	.....

Traffic statement for Illinois and Mississippi Canal (entire canal).

[Navigation season: About eight months.]

Designation.	East.	West.	Total.	Value.
Steamboats.....	number 25	25	50	.....
Barges.....	111	113	224	.....
Launches.....	1,238	1,219	1,457	.....
Passengers.....	8,484	9,425	17,909	.....
Coal.....	tons 376	1,182	1,558	\$9,348
Grain.....	3,547	58	3,605	185,600
Gravel.....	.....	1,865	1,865	3,730
Lumber.....	.....	2	2	60
Merchandise, general.....	154	84	234	46,806
Shells.....	.....	164	164	11,480
Lockages.....	number 3,562	3,887	7,449	.....

Total tons 7,428; average haul 61.9 miles; value \$257,018.

ST. PAUL, MINN., DISTRICT.

MISSISSIPPI RIVER BETWEEN ST. PAUL AND MINNEAPOLIS, MINN.

Comparative statement of traffic.

Year.	Logs.	Tons.	Value.	Pas- sengers.	Year.	Logs.	Tons.	Value.	Pas- sengers.
1904.....	124,000,000	(1)	\$1,250,000	(1)	1910.....	29,000,000	(1)	\$638,000	(1)
1905.....	105,000,000	(1)	1,250,000	(1)	1911.....	9,000,000	40,000	200,000	(1)
1906.....	75,000,000	(1)	900,000	(1)	1912.....	2,000,000	9,000	40,000	(1)
1907.....	72,000,000	(1)	900,000	(1)	1917.....	(1)	362	87,600	1,626
1908.....	77,000,000	(1)	1,694,000	(1)	1918.....	(1)	45	15,000	279
1909.....	88,000,000	(1)	1,936,000	(1)	1919.....	(1)	(1)	(1)	665
					1920.....	(1)	(1)	(1)	234

¹ No statistics available.

There was no commerce during the calendar year 1920.

MISSISSIPPI RIVER BETWEEN BRAINERD AND GRAND RAPIDS, MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated logs.		
				Feet, board measure.	Short tons.	Value.
1916.....	31,100	\$276,000	800	12,500,000	56,000	\$225,000
1917.....	7,600	26,000	400	51,595,000	232,400	1,288,000
1918.....	13,569	86,477	75	318,000	1,431	5,690
1919.....	3,830	20,600		150,000	675	2,400
1920.....	60	12,000	75	1,100,000	4,950	24,207

Freight traffic, 1920.

LOCAL RECEIPTS AND SHIPMENTS.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By com- modities.	By classes.	
Vegetable food products.....			60		\$12,000	<i>Miles.</i>
Potatoes.....	50			\$10,000		25
Groceries.....		10		2,000		25
Wood and paper: Logs, pine.....	¹ 4,950		4,950	24,200	24,200	30
Total.....	5,000	10	5,010		36,200	

¹ 1,100,000 feet board measure.

SUMMARY.

Classes of commodities.	Local receipts and shipments.	
	Tons.	Value.
Vegetable food products.....	60	\$12,000
Wood and paper (floated logs).....	4,950	24,200
Total.....	5,010	36,200

MISSISSIPPI AND LEECH RIVERS, MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated logs.		
				Feet, board measure.	Short tons.	Value.
1916.....	37,620	\$219,000	3,100	33,000,000	148,500	\$694,000
1917.....	21,420	84,660	1,000	2,462,000	15,580	78,340
1918.....	42,686	173,400	1,000	800,000	30,600	132,165
1919.....	5,055	121,500	3,000	3,690,500	24,745	166,500
1920.....	1,050	7,000	.....	2,930,000	13,185	65,100

Freight traffic, 1920.

LOCAL RECEIPTS AND SHIPMENTS.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.		Average haul.
			By commodities.	By classes.	
Wood and paper.....		14,235		\$72,100	Miles.
Logs:					
Hardwood (1,030,000 feet, board measure).....	4,635		\$23,600		25
Cedar (150,000 feet, board measure).....	675		3,000		15
Pine, (1,750,000 feet, board measure).....	7,875		38,500		38
Pulp wood (700 cords).....	1,050		7,000		15
Total.....	14,235	14,235		72,100	

RESERVOIRS AT HEADWATERS OF MISSISSIPPI RIVER.

See reports on "Mississippi and Leech Rivers, Minn.," and "Mississippi River between Brainerd and Grand Rapids, Minn."

TWIN CITY LOCK AND DAM, MISSISSIPPI RIVER.

See report on "Mississippi River between St. Paul and Minneapolis, Minn."

ST. CROIX RIVER, WIS. AND MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1908.....	378,000	\$1,848,000	(1)	1915.....	7,172	\$141,000	(1)
1909.....	209,000	1,120,000	(1)	1916.....	15	8,200	18,461
1910.....	81,000	396,000	(1)	1917.....	9	7,000	11,337
1911.....	106,000	996,000	(1)	1918.....		1,780	4,198
1912.....	123,000	770,000	(1)	1919.....		1,820	4,974
1913.....	219,520	1,176,932	(1)	1920.....		3,270	5,687
1914.....	42,335	310,620	(1)				

¹ No statistics available. ² Includes 200 canoes, valued at \$35 each. ³ Receipts from passenger business.

The river is principally used by excursion steamboats and pleasure launches. The floating of loose logs on the river ceased in 1914 and the rafting of manufactured lumber in 1915. This accounts for the decrease in tonnage in recent years.

MINNESOTA RIVER, MINN.

Freight traffic, 1920.

	Short tons.	Value.
Sand and gravel.....	1,930	\$5,764

No freight, other than above stated, has moved on this river during the past few years. The only users are excursion steamers and small pleasure craft.

LAKE TRAVERSE, MINN. AND S. DAK.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1913.....	7,585	\$218,000	1917.....	4,260	\$228,000
1914.....	7,900	280,000	1918.....	5,133	340,458
1915.....	10,000	307,423	1919.....	1,489	121,560
1916.....	7,640	290,200	1920.....	1,233	98,640

Freight traffic, 1920. -

LOCAL RECEIPTS AND SHIPMENTS.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.		Average haul.
			By commodities.	By classes.	
Vegetable food products: Grain (49,300 bushels).....	1,233	1,233	\$98,640	\$98,640	Miles. 10

RED RIVER OF THE NORTH, MINN. AND N. DAK.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	1,710	(1)	1905.....	22,353	(1)
1891.....	12,137	(1)	1906.....	13,955	(1)
1892.....	14,256	(1)	1907.....	8,158	(1)
1893.....	5,723	(1)	1908.....	2,400	(1)
1894.....	7,684	(1)	1909.....	4,300	(1)
1895.....	9,413	(1)	1910.....	5,300	(1)
1896.....	17,786	(1)	1911.....	2,800	(1)
1897.....	13,840	(1)	1912.....	130,000	\$478,000
1898.....	16,907	(1)	1913.....	120,576	462,500
1899.....	30,405	(1)	1914.....	47,440	223,400
1900.....	20,035	(1)	1915.....	125	10,000
1901.....	22,660	(1)	1917.....	75	6,000
1902.....	20,086	(1)	1918.....	(1)	(1)
1903.....	28,353	(1)	1919.....	(1)	(1)
1904.....	19,295	(1)	1920.....		

¹ No statistics available.

There was no navigation on Red River of the North and Red Lake River during the season of 1920.

KANSAS CITY, MO., DISTRICT.

MISSOURI RIVER, KANSAS CITY TO MOUTH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915.....	216,490	\$7,516,373	1918.....	142,981	\$830,769
1916.....	211,371	6,335,313	1919.....	141,094	405,119
1917.....	217,616	4,994,550	1920.....	203,153	906,547

[Navigation season: Mar. 1 to Nov. 30.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
Animals and animal products.....			582		\$138,924	<i>Miles.</i> 48	<i>Cents.</i> 07.1
Live stock.....	537			\$112,640			
Eggs.....		18		12,408			
Products.....		27		13,876			
Vegetable food products.....			2,700		177,867	42	04.04
Grain.....		2,449		162,431			
Vegetables and fruit.....		13		1,213			
Feed and flour.....		190		12,556			
Hay.....		58		1,667			
Other vegetable products except fiber and wood: Cobs, pipe.....		18	18	450		3	41.66
Wood and paper.....			20,879		140,164	16	05.51
Lumber.....	175			4,486			
Wood.....	362			1,513			
Logs, rafted.....	2,804			27,080			
Brush and piles used by United States in river improvement work.....	17,538			107,085			
Non metallic minerals.....			177,567		192,140	16	02.63
Brick.....	5			1,836			
Cement, plaster, etc.....		72		1,568			
Coal.....	49			291			
Oil.....		28		1,212			
Sand and gravel.....	1,882			1,812			
Sand, barged.....	133,640			63,337		1	
Stone and cement used in river improvement.....	41,891			122,024			
Ores, metals, and manufactures, except machinery and vehicles.....			317		113,625	56	03.33
Manufactured iron and steel.....		260		102,871			
Building material.....		29		5,703			
Strand, wire nails, etc., used in river improvement work.....		38		5,051			
Machinery and vehicles: Machinery.....		12	12	10,000		28	13.31
Unclassified.....			1,078		143,892	41	03.07
Unknown commodities.....		436		111,682			
Miscellaneous articles used by United States in river improvement work.....		642		32,210			
Total.....	196,883	4,270	203,153		917,062		

¹ This rate per ton-mile does not cover logs and river improvement material, from which no freight revenue was derived.

² The average haul does not include the sand barged, which was moved about 1 mile only by owners.

Vessel classification, 1920.

Classes.	Number.	Net. registered tonnage.
Registered:		
Steamer	3	320
Gasoline	6	174
Barges	13	810
Total	22	1,304

Floating plant owned by the United States in towing material used in river improvement work is not included in the statement of vessel classification.

MISSOURI RIVER, KANSAS CITY TO SIOUX CITY.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915	101,822	\$55,774	1918	50,226	\$309,386
1916	105,287	255,188	1919	63,941	28,091
1917	42,715	12,790	1920	149,255	185,040

[Navigation season: Mar. 1 to Nov. 30.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities, bulk.	Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile. ¹
			By commodities.	By classes.		
Wood and paper: Trees used in bank protection	29,550	29,550	\$137,900	\$137,900	Miles. 2	
Nonmetallic minerals		119,705		47,140	60	
Coal	105		840			
Sand barged	119,600		46,300			
Total	149,255	149,255		185,040		

¹ Hauled by owner.

Vessel classification, 1920.

Classes.	Number.	Net registered tonnage.
Registered, steam	3	168
Barges	6	655
Total	9	823

MISSOURI RIVER, SIOUX CITY, IOWA, TO FORT BENTON, MONT.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915.....	17,976	\$642,090	1918.....	3,986	\$168,980
1916.....	22,151	986,426	1919.....	1,572	121,711
1917.....	6,285	356,339	1920.....	3,261	77,155

Decrease in tonnage due to crop failure, the closing of elevators, extreme low water during the fall months, and early closing of navigation.

[Navigation season: Mar. 15 to Nov. 15.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount short in tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
Animals and animal products, except wool and hair: Live stock.....		18	18	\$4,000	\$4,000	25	\$0.1555
Vegetable food products: Grain.....		315	315	17,735	17,735	39	.0854
Wood and paper: Lumber.....		311	311	10,200	10,200	92	.0526
Nonmetallic minerals.....			1,979		21,220	67	.079
Cement.....		32		466			
Coal.....	1,939			18,504			
Oil.....		8		2,250			
Ores, metals and manufactures, except machinery and vehicles: Manufactured iron.....		20	20	2,000	2,000	25	.16
Unclassified: Unknown commodities.....		618	618	22,000	22,000	28	.1477
Total.....	1,939	1,322	3,261		77,155		

Vessel classification, 1920.

Classes.	Number.	Net registered tonnage.
Registered gasoline.....	2	14

OSAGE RIVER, MO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915.....	22,083	\$330,909	1918.....	34,490	\$927,243
1916.....	13,999	346,974	1919.....	15,327	915,451
1917.....	28,171	725,471	1920.....	24,547	517,791

[Navigation season, Mar. 1 to Nov. 30.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
Animals and animal products, except wool and hair.....			670		\$164,910	Miles. 30	\$0.0762
Live stock.....		612		\$162,250			
Fertilizer.....		58		2,660			
Vegetable food products.....			1,726		86,117	17	.1192
Grain.....		1,696		85,187			
Feed.....		30		930			
Wood and paper.....			15,058		122,336	69	.0243
Lumber.....		178		2,670			
Logs.....	1,095			8,380			
Ties.....	83			712			
Ties rafted.....	13,582			119,854			
Wood.....	120			720			
Nonmetallic minerals.....			5,914		11,228	17	1.0794
Cement.....		28		358			
Kaolin and tiff.....	453			4,800			
Salt.....		33		670			
Sand and gravel barged.....	5,400			5,400		1/4 mile.	
Ores, metals, and manufactures, except machinery and vehicles:							
Manufactured iron and steel.....		47	47	16,450	16,450	17	.1483
Unclassified.....			1,132		106,750	37	1.1502
Unknown commodities.....		1,015		105,250			
Miscellaneous articles: Used in river improvement work.....		117		1,500			
Total.....	20,733	3,814	24,547		517,791		

¹ Average miles hauled does not cover sand, which was moved but half a mile.² Rate does not cover river improvement material moved by Government.*Vessel classification, 1920.*

Classes.	Number.	Net registered tonnage.
Registered:		
Steam.....	2	82
Gasoline.....	2	14
Barges.....	5	405
Total.....	9	501

GASCONADE RIVER, MO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915.....	22,037	\$340,876	1918.....	12,080	\$141,803
1916.....	12,672	200,658	1919.....	12,194	300,427
1917.....	24,323	254,443	1920.....	13,417	206,278

[Navigation season, Mar. 1 to Nov. 30.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
Animals and animal products, except wool and hair.			33		\$5,621	Miles. 7	\$0.1012
Live stock.		31		\$5,230			
Produce.		2		401			
Vegetable food products.			700		55,350	23	.0840
Grain.		689		54,535			
Flour and feed.		9		785			
Hay.		2		30			
Wood and paper.			10,551		118,451	111	.0234
Lumber.		86		2,670			
Railroad ties rafted.	10,343			115,151			
Wood.	122			632			
Nonmetallic minerals.			2,034		3,976	8	.0310
Cement.		46		1,057			
Lime.		1		7			
Sand and gravel.	1,918			1,799			
Oil.		21		822			
Coal.	48			291			
Ores, metals, and manufactures, except machinery and vehicles.			33		8,096	22	.0921
Manufactured iron and steel.		25		6,536			
Building material.		8		1,560			
Unclassified: Unknown commodities.		66		14,782		24	.0269
Total.	12,431	986	13,417		206,278		

Vessel classification, 1920.

Classes.	Number.	Net registered tonnage.
Registered, steam.	3	95
Barges.	3	90
Total.	6	185

NASHVILLE, TENN., DISTRICT.

CUMBERLAND RIVER, TENN. AND KY., BELOW NASHVILLE.

Comparative statement of traffic.

Year.	Tons boated.	Tons rafted.	Total value.	Passengers.
1898.	120,232	(1)	\$5,711,998	31,300
1899.	263,608	(1)	4,771,049	11,900
1900.	407,044	(1)	5,140,616	11,000
1901.	255,557	(1)	3,694,428	12,000
1902.	283,531	(1)	7,347,047	25,000
1903.	297,438	(1)	3,888,305	8,000
1904.	275,371	(1)	3,034,600	7,550
1905.	253,430	(1)	5,060,451	7,700
1906.	223,499	(1)	3,678,429	6,000
1907.	300,810	(1)	5,877,957	14,000
1908.	290,734	(1)	4,621,197	33,000
1909.	183,118	(1)	4,723,533	26,296
1910.	322,557	5,200	6,692,587	23,410
1911.	219,678	3,600	3,549,114	4,800
1912.	119,926	56,783	3,459,274	9,091
1913.	164,228	895	2,705,431	4,960
1914.	150,721	2,737	2,234,207	4,350
1915.	124,316	2,633	2,172,058	14,251
1916.	119,982	3,022	2,306,502	14,281
1917.	129,239	2,086	1,719,564	9,588
1918.	43,285	5,159	626,927	10,580
1919.	221,861	1,804	1,740,317	8,216
1920.	171,506	7,392	1,864,521	6,048

1 Separate statistics for boated and rafted products not available.

[Navigation season: Open all the year.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value. ¹		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.							
Animals and animal products, except wool and hair.....			833		\$250,480	Miles.	Cents.
Cattle.....		193		\$42,460		108	9.1
Eggs.....		33		18,500		138	3.6
Hogs.....		575		178,250		110	9.9
Horses.....		7		2,520		97	8.5
Poultry.....		18		9,000		141	3.7
Sheep.....		7		1,750		94	8.5
Vegetable food products.....			567		49,460		
Corn.....		458		25,190		150	2.7
Groceries.....		25		5,100		40	15.0
Hay.....		5		14,250		40	10.0
Oats.....		46		2,875		125	3.2
Wheat.....		33		2,145		125	3.2
Other vegetable products, except fibers and wood.....			1,312		407,410		
Drugs, etc.....		1		1,000		40	30.0
Tobacco.....		1,311		406,410		100	6.2
Textiles: General merchandise.....		5	5	750	750	40	25.0
Wood and paper.....			4,537		46,036		
Logs.....	4,500			45,000		25	
Lumber.....	37			1,036		130	2.5
Nonmetallic minerals.....			93,282		69,962		
Gravel.....	46,580			34,943		15	
Sand.....	46,692			35,019		16	
Unclassified: Musical instruments.....		3	3	6,000	6,000	40	25.0
Total.....	97,819	2,720	100,539		837,198	112	5.7
DOWNBOUND.							
*Animals and animal products, except wool and hair.....			124		31,620		
Cattle.....		5		1,100		40	10.0
Horses.....		22		7,920		118	8.1
Leather products.....		22		22,000		48	25.0
Shells, mussel.....		75		600		20	(*)
Vegetable food products.....			1,841		291,071		
Corn.....		63		3,465		133	2.9
Groceries.....		1,371		274,200		87	7.5
Hay.....		366		10,431		133	4.5
Oats.....		34		2,375		107	3.7
Peanuts.....		3		600		40	20.0
Other vegetable products, except fibers and wood: Drugs.....		9	9	9,000	9,000	76	14.7
Textiles: General merchandise.....		368	368	55,200	55,200	129	5.6
Wood and paper.....			75,663		613,924		
Logs (boated).....	4,500			45,000		25	(*)
Logs (rafted).....	7,031			70,310			
Staves.....	35			1,050		40	10.0
Ties, railroad (boated).....	63,736			493,954		117	0.7
Ties, railroad (rafted).....	361			3,610			
Nonmetallic minerals.....			26		283		
Cement.....		15		174		120	4.2
Coal.....	6			24		110	3.7
Lime.....		5		85		40	7.5
Machinery and vehicles: Machinery.....		43	43	6,450	6,450	135	5.2
Chemicals: Fertilizer.....		275	275	6,875	6,875	109	3.6
Unclassified: Musical instruments.....		10	10	20,000	20,000	40	25.0
Total.....	75,744	2,615	78,359		1,034,423	109	0.9
Omitting railroad ties, average freight rate becomes.....							6.0

Number of passengers carried, upbound, 3,598; downbound, 2,450.

¹ Valuations used are same as those employed in annual report for 1920.² Items not considered in computing average distance hauled.³ Hauled by owners.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	833	\$250,480	124	\$31,820	957	\$282,100
Vegetable food products, oil seeds, expressed oil's, and beverages.....	567	49,460	1,841	291,071	2,408	340,531
Other vegetable products, except fibers and wood.....	1,312	407,410	9	9,000	1,321	416,410
Textiles.....	5	750	368	55,200	373	55,950
Wood and paper.....	4,537	46,036	75,663	613,924	80,200	659,960
Nonmetallic minerals.....	93,282	69,962	26	283	93,308	70,245
Machinery and vehicles.....			43	6,450	43	6,450
Chemicals.....			275	6,875	275	6,875
Unclassified.....	3	6,000	10	20,000	13	26,000
Total.....	100,539	830,098	78,359	1,034,423	178,898	1,864,521

The following table gives a comparative statement of the commerce for the calendar years indicated:

Comparative statement.

Year.	Tonnage as reported in annual reports of Chief of Engineers (total).	Farm products.	Forest products, exclusive of those transported by rafts.	Merchandise, including flour and meal.	Fertilizer.	Sand and gravel.	Miscellaneous, including coal, cement, iron, machinery, etc.	Totals, exclusive of sand, gravel, and rafted products.
1911.....	223,278	23,264	145,334	7,159	700	40,916	2,305	178,762
1912.....	176,659	21,431	59,373	10,800	.....	26,780	1,542	93,146
1913.....	165,123	16,123	131,024	3,705	1,100	11,250	1,026	152,978
1914.....	153,458	6,151	99,266	4,140	851	38,976	1,337	111,745
1915.....	126,949	10,250	92,723	3,904	421	15,237	1,781	109,079
1916.....	123,004	15,729	81,383	6,834	601	12,474	1,247	105,794
1917.....	131,325	3,805	81,866	2,160	403	39,644	1,361	89,595
1918.....	48,208	68	41,991	708	100	.....	82	42,949
1919.....	223,665	1,465	103,097	3,265	460	113,340	234	108,521
1920.....	178,898	3,183	72,808	1,814	275	93,282	144	78,234

Vessel classification, 1920.

Registered steamers and gasoline boats.....	13
Net registered tonnage.....	1,204

About 43 barges, with a total capacity estimated at 25,900 tons, were employed by the vessels operating in this section.

CUMBERLAND RIVER, TENN. AND KY., ABOVE NASHVILLE.

Comparative statement of traffic.

Year.	Tons boated.	Tons rafted.	Total value.	Passengers.
1898.....	124,518	(1)	\$2,311,385	22,000
1899.....	264,763	(1)	4,490,412	32,063
1900.....	289,218	(1)	8,395,655	17,906
1901.....	257,211	(1)	7,064,755	18,773
1902.....	192,270	(1)	5,527,886	29,285
1903.....	304,462	(1)	6,604,734	9,552
1904.....	242,112	(1)	5,862,365	7,200
1905.....	382,807	(1)	10,509,789	23,298
1906.....	334,351	(1)	7,571,305	12,365
1907.....	241,571	(1)	9,914,916	70,000
1908.....	246,260	(1)	8,745,289	8,635
1909.....	225,074	(1)	7,274,779	21,773
1910.....	175,120	12,947	4,112,115	3,712
1911.....	153,525	27,504	4,087,748	8,373
1912.....	238,056	70,029	7,750,730	11,785
1913.....	223,765	114,059	7,250,766	24,429
1914.....	217,035	96,993	6,784,999	17,294
1915.....	228,062	38,577	4,317,611	10,338
1916.....	222,801	41,152	3,775,320	8,832
1917.....	213,910	53,181	6,970,390	8,720
1918.....	266,677	9,504	6,599,713	5,778
1919.....	117,875	17,357	6,454,340	11,626
1920.....	137,443	10,069	8,646,171	4,664

¹ Separate statistics for boated and rafted products not available.

[Navigation season: Open all the year.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value. ¹		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND AND DOWNBOUND. ¹							
Animals and animal products, except wool and hair.....			16,226		\$6,946,730	Miles.	Cents.
Cattle.....	1,062			\$233,640		127	3.9
Eggs and poultry.....	10,562			5,281,000		194	2.9
Hogs.....	4,530			1,404,300		108	4.9
Horses.....	14			5,040		147	9.3
Leather products.....	11			11,000		200	5.0
Sheep.....	47			11,750		95	6.9
Vegetable food products.....			3,146		498,711		
Corn.....	497			27,335		166	2.6
Groceries.....	2,268			453,600		188	5.7
Hay.....	185			5,273		188	3.3
Oats.....	95			5,938		138	3.6
Wheat.....	101			6,565		45	7.4
Other vegetable products, except fibers and wood.....			524		167,960		
Drugs.....	8			8,000		210	6.2
Tobacco.....	516			159,960		145	2.8
Textiles: General merchandise.....	2,893		2,893	433,950	433,950	163	5.8
Wood and paper.....			20,919		398,784		
Handles and slabs.....		346		10,380		220	1.8
Lumber.....	4,640			129,920		53	4.2
Staves.....	5,207			156,210		51	4.3
Ties, railroad (rafted).....	2,189			16,965			
Ties, railroad (boated).....	27			209		15	7.7
Logs (boated).....	630			6,300		50	1.4
Logs (rafted).....	7,880			78,800			

¹ Impracticable to separate, as records of steamboat companies do not indicate what proportion of shipments was upbound, downbound, etc.

² Valuations used are same as those employed in annual report for 1920.

Freight traffic, 1920—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND AND DOWNBOUND—continued.						<i>Miles.</i>	<i>Cents.</i>
Nonmetallic minerals.....			100,161		\$83,561		
Cement.....		750		\$8,700		50	2.0
Coal.....		93		372		115	4.4
Gravel.....	49,240			36,930		19	
Sand.....	50,078			37,559		11	
Machinery and vehicles: Machinery.....		140	140	21,000	21,000	210	3.
Chemicals: Fertilizer.....		3,499	3,499	87,475	87,475	162	3.2
Unclassified: Musical instruments.....		4	4	8,000	8,000	175	7.4
Total.....	119,891	27,621	147,512		8,646,171	133	2.9

Number of passengers carried, 4,064.

¹ Items not taken into consideration in computing average haul.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	16,226	\$6,946,730
Vegetable food products, oil seeds, expressed oils, and beverages.....	3,146	498,711
Other vegetable products, except fibers and wood.....	524	167,960
Textiles.....	2,893	433,950
Wood and paper.....	20,919	398,784
Nonmetallic minerals.....	100,161	83,561
Machinery and vehicles.....	140	21,000
Chemicals.....	3,499	87,475
Unclassified.....	4	8,000
Total.....	147,512	8,646,171

The following table gives a comparative statement of the commerce for the calendar years indicated:

Comparative statement.

Year.	Tonnage as reported in annual reports of Chief of Engineers (total).	Farm products.	Forest products, exclusive of those transported by rafts.	Merchandise, including flour and meal.	Fertilizer	Sand and gravel.	Miscellaneous, including coal, cement, iron, machinery, etc.	Totals, exclusive of sand, gravel, and rafted products.
1911.....	181,029	24,314	37,007	13,217	2,688	75,709	590	77,816
1912.....	309,705	22,706	109,588	30,045	2,148	74,064	1,135	165,622
1913.....	337,824	16,318	78,771	19,171	4,024	103,206	2,272	120,589
1914.....	314,028	16,037	75,619	18,391	4,396	100,925	1,677	116,110
1915.....	266,186	17,068	58,623	15,734	3,524	131,707	933	95,902
1916.....	263,953	12,332	39,603	13,237	1,778	144,765	1,291	68,191
1917.....	267,091	16,077	62,225	15,702	3,664	112,752	3,400	101,156
1918.....	276,181	14,462	45,745	10,423	4,150	163,530	1,422	78,202
1919.....	135,232	14,692	15,973	12,522	4,771	68,528	1,389	40,317
1920.....	147,512	17,609	10,850	5,176	3,499	99,318	991	38,125

Vessel classification, 1920.

Registered steamers and gasoline boats.....	6
Net registered tonnage.....	469

About 24 barges, with a total capacity estimated at 2,670 tons, were employed by the vessels operating in this section.

LOCKS AND DAMS ON CUMBERLAND RIVER, TENN.

Statement of traffic passing through locks on the Cumberland River during calendar year 1920.

	Lock A.		Lock B.		Lock C.	
Total lockages.....	343		312		428	
Craft:						
Government boats.....	30		24		28	
Packets.....	83		79		190	
Small craft.....	153		95		124	
Towboats.....	78		95		67	
Sand dredges.....			10			
Rafts.....	7		11		2	
Barges.....	106		132		155	
	Short tons.	Valuation.	Short tons.	Valuation.	Short tons.	Valuation.
Classes and commodities:						
Animal and animal products, except wool and hair—						
Cattle.....	378	\$83,160	296	\$65,120	172	\$37,840
Horses.....	44	15,840	17	6,120	19	6,840
Hogs.....	638	197,780	557	172,670	401	124,310
Sheep.....	3	750	2	500	3	750
Eggs.....	34	17,000	25	12,500	32	16,000
Poultry.....	95	47,500	23	11,500	27	13,500
Mussel shells.....	67	536	35	280	5	40
Vegetable food products, oilseeds, beverages, etc..						
Corn.....	507	27,885	420	21,100	402	22,100
Flour.....	77	10,010	64	8,320	315	40,980
Hay.....	155	4,418	84	2,394	231	6,584
Produce.....	56	7,280	347	45,110	81	10,530
Oats.....			58	2,900	3	188
Groceries.....	434	86,800	282	56,400	461	92,200
Other vegetable products, except fibers and wood—						
Tobacco.....	7	2,170	25	7,750	1,263	391,530
Textiles—General merchandise.....	2,493	373,950	2,485	372,750	4,534	680,250
Wood and paper—						
Logs.....	2,794	27,940	3,797	37,970	99	990
Lumber.....	740	20,720	636	17,808	474	13,272
Ties.....	8,561	66,348	14,085	109,159	18,469	143,135
Telegraph poles.....	78	936	400	4,800	76	912
Posts.....			15	120		
Staves.....					50	1,500
Nonmetallic minerals—						
Coal.....	325	1,300	85	340	83	332
Brick.....					10	60
Gasoline.....					52	3,224
Sand.....			12	9		
Cement.....			6	70	122	1,415
Lime.....					12	204
Machinery and vehicles—						
Machinery.....	40	6,000	80	12,000	186	37,350
Chemicals—Fertilizer.....	147	3,675	151	3,775	309	7,725
Total.....	17,673	1,001,998	23,987	970,565	27,891	1,053,741
Passengers.....	1,969		1,797		2,703	

Statement of traffic passing through locks on the Cumberland River during calendar year 1920—Continued.

	Lock D.		Lock 1.		Lock 2.	
Total lockages.....	1,178		539		334	
Craft:						
Government boats.....	6		34		26	
Packets.....	161		90		159	
Small craft.....	768		156		117	
Towboats.....	198		86		69	
Sand dredges.....	7		327		189	
Rafts.....	262		48		155	
Barges.....			732		384	
	Short tons.	Valuation.	Short tons.	Valuation.	Short tons.	Valuation.
Classes and commodities:						
Animals and animal products, except wool and hair—						
Cattle.....	136	\$29,920	246	\$54,120	430	\$94,600
Horses.....	9	3,240	13	4,680		
Hogs.....	219	67,890	561	173,910	2,884	804,040
Sheep.....	1	250			36	9,000
Eggs.....	61	30,500	27	13,500	85	42,500
Poultry.....	55	27,500	56	28,000	17	8,500
Mussel shells.....	38	304	115	920	59	472
Vegetable food products, oilseeds, beverages, etc.—						
Corn.....	801	44,065	126	23,815	695	38,225
Flour.....	246	31,980	55	7,150	506	65,780
Hay.....	302	8,607	16	456	9	257
Produce.....	27	3,510	60	7,800	146	18,980
Oats.....	7	438	3	188	124	7,850
Cotton seed.....					2	160
Groceries.....	211	42,200	328	65,600	1,007	201,400
Other vegetable products, except fibers and wood—						
Tobacco.....	721	223,510	5,341	1,655,710	227	70,370
Textiles—General merchandise.....	3,801	560,150	1,655	248,250	1,853	277,950
Wood and paper—						
Logs.....	8,342	83,420	5,770	57,700	12,371	123,710
Lumber.....	579	16,212	750	21,000	401	11,228
Ties.....	21,531	166,865	946	7,332	3	23
Telegraph poles.....	76	912	80	960	2,120	25,440
Posts.....					927	7,416
Staves.....	71	2,130			97	2,910
Handles and spokes.....					1,091	32,730
Nonmetallic minerals—						
Coal.....	443	1,772			391	1,564
Brick.....					9	54
Oils.....	34	1,360				
Sand.....			27,009	20,257	14,650	10,988
Cement.....			38	441		
Gravel.....			31,982	23,979	9,178	6,884
Lime.....	3	51				
Machinery and vehicles—						
Machinery.....	333	49,950			147	22,050
Chemicals—Fertilizer.....	554	13,850	90	2,250	2,253	56,325
Total.....	38,601	1,410,576	75,267	2,418,018	51,718	2,031,406
Passengers.....	2,836		1,383		12,613	

Statement of traffic passing through locks on the Cumberland River during calendar year 1920—Continued.

	Lock 3.		Lock 4.		Lock 5.	
Total lockages	334		343		257	
Craft:						
Government boats.....	21		19		17	
Packets.....	110		104		110	
Small craft.....	67		88		23	
Tow boats.....	19		12		12	
Sand dredges.....	2		3		9	
Rafts.....	121		121		137	
Barges.....	129		65		39	
	Short tons.	Valuation.	Short tons.	Valuation.	Short tons.	Valuation.
Classes and commodities:						
Animals and animal products, except wool and hair—						
Cattle.....	476	\$104,720	455	\$100,100	439	\$96,580
Horses.....	9	3,240	10	3,600	7	2,520
Hogs.....	2,083	630,230	2,085	630,850	2,901	890,310
Sheep.....	34	8,500	74	18,500	41	10,250
Eggs.....	62	31,000	131	65,500	78	39,000
Poultry.....	9	4,500	17	8,500	16	8,000
Mussel shells.....	60	480	39	312	19	152
Vegetable food products, oilseeds, beverages, etc.—						
Corn.....	471	25,925	456	25,080	512	28,160
Flour.....	492	63,960	478	62,140	517	67,210
Hay.....	1	29	1	29	1	29
Produce.....	118	15,340	96	12,480	79	10,270
Oats.....	113	7,063	79	4,938	82	5,125
Cotton seed.....	2	160	2	160	2	160
Groceries.....	884	176,800	769	153,800	724	144,800
Other vegetable products, except fibers and wood—						
Tobacco.....	271	84,010	227	70,370	260	80,600
Textiles—General merchandise.....	1,673	250,950	1,723	258,450	1,575	236,250
Wood and paper—						
Logs.....	17,196	171,960	12,747	127,470	19,234	192,340
Lumber.....	243	6,804	3,417	95,676	363	10,164
Ties.....	53	411				
Telegraph poles.....					800	9,600
Posts.....	5,313	42,504	2,083	16,664	586	4,688
Staves.....	97	2,910	81	2,430	95	2,850
Handles and spokes.....	1,431	42,930	1,627	48,810	1,261	37,830
Nonmetallic minerals—						
Coal.....	144	576	120	480	118	472
Brick.....	10	60	13	78	10	60
Gasoline.....						
Oils.....						
Sand.....						
Cement.....						
Gravel.....						
Lime.....						
Salt.....						
Machinery and vehicles—						
Machinery.....	171	25,650	153	22,800	193	28,950
Chemicals—Fertilizer.....	2,018	50,460	2,133	53,325	2,084	52,100
Total	33,384	1,751,162	28,966	1,782,542	31,997	1,967,470
Passengers		1,217		1,006		994

Statement of traffic passing through locks on the Cumberland River during calendar year 1920—Continued.

	Lock 6.		Lock 7.		Lock 21.	
Total lockages.....	351		272		215	
Craft:						
Government boats.....	13		14			
Packets.....	104				152	
Small craft.....	100		29		43	
Tow boats.....	16		14		47	
Rafts.....	126		126			
Barges.....	33		31		133	
	Short tons.	Valuation.	Short tons.	Valuation.	Short tons.	Valuation.
Classes and commodities:						
Animals and animal products, except wool and hair—						
Cattle.....	453	\$99,660	104	\$22,880	152	\$33,440
Horses.....	11	3,960	12	4,320	1	360
Hogs.....	2,833	878,230	2,789	864,590	1,379	427,490
Sheep.....	34	8,500	34	8,500	9	2,250
Eggs.....	75	37,500	67	33,500	406	203,000
Poultry.....	16	8,000	15	7,500	221	110,500
Mussel shells.....	10	80				
Vegetable food products, oilseeds, beverages, etc.—						
Corn.....	453	24,915	366	20,130	10	550
Flour.....	494	64,220	648	84,240	330	42,900
Hay.....	30	855	2	57	46	1,311
Produce.....	85	11,050	76	9,880	44	5,720
Oats.....	71	4,438	60	3,750	22	1,375
Cotton seed.....	2	160	2	160		
Groceries.....	799	159,800	940	188,000	1,420	284,000
Other vegetable products, fiber and wood—To- bacco.....	248	76,880	227	70,370	81	25,11
Textiles—General mer- chandise.....	1,656	248,400	1,782	267,300	3,189	478,100
Wood and paper—						
Logs.....	18,051	180,510	12,361	123,610		
Lumber.....	357	9,996	274	7,642	1,659	46,452
Ties.....					612	4,743
Telegraph poles.....	850	11,400	1,066	12,792	20	240
Posts.....	5,054	40,432	593	4,744		
Staves.....	37	1,110	80	2,400	1,395	41,850
Handles and spokes.....	906	27,180	1,814	54,420	471	14,130
Nonmetallic minerals—						
Coal.....	118	472	36	144	217	868
Brick.....	12	72	13	78	86	516
Gasoline.....						
Oils.....					2	80
Sand.....						
Cement.....	9	104			286	3,318
Gravel.....						
Lime.....					2	34
Salt.....					113	1,582
Machinery and vehicles—						
Machinery.....	138	20,700	209	41,350	339	50,860
Automobiles.....			1	1,500		
Chemicals—Fertilizer.....	2,243	56,075	2,176	54,400	1,960	49,000
Total.....	35,145	1,974,699	25,747	1,888,287	14,472	1,829,769
Passengers.....	961		887		1,220	

TENNESSEE RIVER BELOW RIVERTON, ALA.

Comparative statement of traffic.

Year.	Tons boated.	Tons rafted.	Value.	Passengers.
1906.....	715,983	50,135	\$10,830,300	23,744
1907.....	643,077	(1)	10,921,250	25,810
1908.....	552,560	(1)	10,636,445	26,063
1909.....	375,570	(1)	9,020,840	23,360
1910.....	449,230	14,800	8,490,400	(1)
1911.....	374,365	56,748	7,394,412	(1)
1912.....	331,540	42,085	6,261,650	(1)
1913.....	427,885	52,220	6,130,874	15,875
1914.....	269,791	180,165	6,428,874	21,561
1915.....	311,408	159,598	5,624,908	12,557
1916.....	328,989	74,589	8,064,091	23,228
1917.....	380,175	36,129	9,745,016	15,566
1918.....	239,241	41,361	5,783,318	5,580
1919.....	239,686	5,873	6,904,136	5,728
1920.....	183,601	41,584	5,432,262	3,904

¹ Separate statistics for boated and rafted products not available.² Statistics not available.

[Navigation season: Open all the year.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value. ¹		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND AND DOWNBOUND.²							
Animals and animal products, except wool and hair			1,158		\$321,330	Miles.	Cents.
Cattle.....		499		\$108,780		200	2.3
Eggs.....		26		13,000		200	5.0
Hogs.....		589		182,590		200	2.5
Horses.....		31		11,160		200	5.0
Mules.....		5		1,800		200	5.0
Poultry.....		8		4,000		200	5.0
Vegetable food products			8,482		1,481,117		
Cotton seed.....		1,854		148,320		200	1.5
Flour.....		2,372		308,360		200	2.0
Hay.....		501		16,844		200	2.0
Oats.....		385		24,063		200	1.5
Peanuts.....		3,278		983,400		200	2.0
Wheat.....		2		130		200	1.5
Other vegetable products, except fibers and wood: Tobacco		166	166	51,460	51,460	200	2.5
Textiles			8,978		1,601,500		
Cotton.....		728		364,000		200	2.5
General merchandise		8,250		1,237,500		200	3.0
Wood and paper			204,237		1,910,247		
Logs (rafted).....	19,614			196,140			
Lumber.....	13,547			379,316		200	1.5
Shingles.....		112		4,480		200	2.0
Stave bolts.....	240			7,200		200	1.5
Ties, railroad (boated).....	148,754			1,152,843		185	(⁴)
Ties, railroad (rafted).....	21,970			170,268			
Nonmetallic minerals			1,168		10,208		
Brick.....	162			972		200	1.0
Cement.....		120		1,392		200	1.3
Coal.....	456			1,824		200	1.0
Salt.....		430		6,020		200	1.5
Machinery and vehicles: Machinery		252	252	37,800	37,800	200	5.0
Chemicals: Fertilizers		744	744	18,600	18,600	200	1.5
Total	204,743	20,442	225,185		5,432,262	200	1.4

¹ Valuations used are same as those employed in annual report for 1920, Nashville District.² Impracticable to separate, as records of steamboat companies do not indicate what proportion of shipments was upbound, downbound, etc.³ This item was not used in computing average distance hauled.⁴ Hauled by owners.

Number of passengers carried, 3,904.

Statement of traffic passing through locks on the Cumberland River during calendar year 1920—Continued.

	Lock 6.		Lock 7.		Lock 21.	
Total lockages.....	351		272		215	
Craft:						
Government boats.....	13		14		152	
Packets.....	104		29		43	
Small craft.....	100		14		47	
Tow boats.....	16		126		133	
Rafts.....	126		31			
Barges.....	33					
	Short tons.	Valuation.	Short tons.	Valuation.	Short tons.	Valuation.
Classes and commodities:						
Animals and animal products, except wool and hair—						
Cattle.....	453	\$99,660	104	\$22,880	152	\$33,440
Horses.....	11	3,960	12	4,320	1	360
Hogs.....	2,833	878,230	2,789	864,590	1,379	427,490
Sheep.....	34	8,500	34	8,500	9	2,250
Eggs.....	75	37,500	67	33,500	406	203,000
Poultry.....	16	8,000	15	7,500	221	110,500
Mussel shells.....	10	80				
Vegetable food products, oilseeds, beverages, etc.—						
Corn.....	453	24,915	366	20,130	10	550
Flour.....	494	64,220	648	84,240	330	42,900
Hay.....	30	855	2	57	46	1,311
Produce.....	85	11,050	76	9,880	44	5,720
Oats.....	71	4,438	60	3,750	22	1,375
Cotton seed.....	2	160	2	160		
Groceries.....	799	159,800	940	188,000	1,420	284,000
Other vegetable products, fiber and wood—Tobacco.....	248	76,880	227	70,370	81	25,11
Textiles—General merchandise.....	1,656	248,400	1,782	267,300	3,189	478,100
Wood and paper—						
Logs.....	18,051	180,510	12,361	123,610		
Lumber.....	357	9,996	274	7,642	1,659	46,452
Ties.....					612	4,743
Telegraph poles.....	950	11,400	1,066	12,792	20	240
Posts.....	5,054	40,432	593	4,744		
Staves.....	37	1,110	80	2,400	1,395	41,850
Handles and spokes.....	906	27,180	1,814	54,420	471	14,130
Nonmetallic minerals—						
Coal.....	118	472	36	144	217	868
Brick.....	12	72	13	78	86	516
Gasoline.....						
Oils.....					2	80
Sand.....						
Cement.....	9	104			286	3,318
Gravel.....						
Lime.....					2	34
Salt.....					113	1,582
Machinery and vehicles—						
Machinery.....	138	20,700	209	41,350	339	50,850
Automobiles.....			1	1,500		
Chemicals—Fertilizer.....	2,243	56,075	2,176	54,400	1,960	49,000
Total.....	35,145	1,974,699	25,747	1,888,287	14,472	1,829,769
Passengers.....	961		887		1,220	

TENNESSEE RIVER BELOW RIVERTON, ALA.

Comparative statement of traffic.

Year.	Tons boated.	Tons rafted.	Value.	Passengers.
1906.....	715,983	50,135	\$10,930,300	23,744
1907.....	643,077	(1)	10,921,250	25,810
1908.....	552,560	(1)	10,636,145	26,053
1909.....	375,570	(1)	9,020,840	23,360
1910.....	449,230	14,800	8,480,400	(2)
1911.....	374,365	56,748	7,394,412	(2)
1912.....	331,540	42,085	6,261,650	(2)
1913.....	427,885	52,220	6,130,874	15,875
1914.....	269,791	180,165	6,428,874	21,561
1915.....	311,408	159,598	5,624,908	12,557
1916.....	328,989	74,589	8,064,091	23,228
1917.....	380,175	36,129	9,745,016	15,566
1918.....	239,241	41,361	5,783,318	5,590
1919.....	239,886	5,873	6,909,136	5,728
1920.....	183,601	41,584	5,432,262	3,894

¹ Separate statistics for boated and rafted products not available.

² Statistics not available.

[Navigation season: Open all the year.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in, short tons by classes.	Value. ¹		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND AND DOWNBOUND.²							
Animals and animal products, except wool and hair.....			1,158		\$321,330	Miles.	Cents.
Cattle.....		499		\$108,780		200	2.3
Eggs.....		26		13,000		200	5.0
Hogs.....		589		182,590		200	2.5
Horses.....		31		11,160		200	5.0
Mules.....		5		1,800		200	5.0
Poultry.....		8		4,000		200	5.0
Vegetable food products.....			8,482		1,481,117		
Cotton seed.....		1,854		148,320		200	1.5
Flour.....		2,372		308,360		200	2.0
Hay.....		591		16,844		200	2.0
Oats.....		385		24,063		200	1.5
Peanuts.....		3,278		983,400		200	2.0
Wheat.....		2		130		200	1.5
Other vegetable products, except fibers and wood: Tobacco.....		166	166	51,460	51,460	200	2.5
Textiles.....			8,978		1,601,500		
Cotton.....		728		364,000		200	2.5
General merchandise.....		8,250		1,237,500		200	3.0
Wood and paper.....			204,237		1,910,247		
Logs (rafted).....	19,614			196,140			
Lumber.....	13,547			379,316		200	1.5
Shingles.....		112		4,480		200	2.0
Stave bolts.....	240			7,200		200	1.5
Ties, railroad (boated).....	148,754			1,152,843		185	(*)
Ties, railroad (rafted).....	21,970			170,268			
Nonmetallic minerals.....			1,168		10,208		
Brick.....	162			972		200	1.0
Cement.....		120		1,392		200	1.3
Coal.....	456			1,824		200	1.0
Salt.....		430		6,020		200	1.5
Machinery and vehicles: Machinery.....		252	252	37,800	37,800	200	5.0
Chemicals: Fertilizers.....		744	744	18,600	18,600	200	1.5
Total.....	204,743	20,442	225,185		5,432,262	200	1.4

¹ Valuations used are same as those employed in annual report for 1920, Nashville District.

² Impracticable to separate, as records of steamboat companies do not indicate what proportion of shipments was upbound, downbound, etc.

³ This item was not used in computing average distance hauled.

⁴ Hauled by owners.

Number of passengers carried, 3,894.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	1, 158	\$321, 330
Vegetable food products, oilseeds, expressed oils, and beverages.....	8, 482	1, 481, 117
Other vegetable products, except fibers and wood.....	166	51, 460
Textiles.....	8, 978	1, 601, 500
Wood and paper.....	204, 237	1, 910, 347
Nonmetallic minerals.....	1, 168	10, 208
Machinery and vehicles.....	252	37, 800
Chemicals.....	744	18, 600
Total.....	225, 185	5, 432, 262

The following is a comparative statement of commerce for a period of 10 years, compiled from the annual reports of the Chief of Engineers, United States Army. The unit of the table is the ton of 2,000 pounds.

Calendar year.	Tonnage as reported in annual reports of Chief of Engineers (total).	Farm products.	Forest products, exclusive of those transported by rafts.	Pig iron.	Marble.	Merchandise, including flour and meal.	Fertilizer.	Miscellaneous, including coal, cement, iron machinery, etc.	Total
1912.....	373, 600	22, 300	306, 000	.....	.....	16, 300	1, 700	4, 400	350, 200
1913.....	480, 000	18, 900	380, 500	.....	100	15, 300	1, 800	2, 300	427, 600
1914.....	450, 000	21, 800	227, 600	.....	100	12, 800	1, 800	5, 100	269, 200
1915.....	471, 006	15, 771	272, 222	.....	15	18, 788	1, 428	3, 184	311, 408
1916.....	403, 578	29, 164	237, 734	17, 765	16	20, 099	9, 445	4, 766	328, 989
1917.....	416, 304	20, 437	313, 602	23, 559	16	15, 916	846	5, 799	390, 175
1918.....	290, 602	13, 807	213, 359	1, 588	.....	6, 541	1, 348	2, 598	276, 341
1919.....	245, 759	14, 290	212, 444	.....	.....	8, 982	.....	2, 125	239, 886
1920.....	225, 185	9, 806	162, 653	.....	.....	8, 978	744	1, 420	183, 681

NOTE.—Except in the second column of the above table, sand and gravel, rafts, and harbor freight have been omitted, the totals in the last column being the totals after the omission of the classes of traffic mentioned.

Vessel classification, 1920.

Registered steamers.....	11
Net registered tonnage.....	1, 377

About 45 barges, with a total capacity estimated at 27,375 tons, were employed by the steamers operating in this section.

CHATTANOOGA, TENN., DISTRICT.

TENNESSEE RIVER ABOVE CHATTANOOGA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892.....	91,187	(1)	(1)	1907.....	506,380	\$3,830,790	(1)
1893.....	71,026	(1)	(1)	1908.....	621,500	3,187,620	(1)
1894.....	180,818	(1)	(1)	1909.....	370,430	2,320,360	(1)
1895.....	265,256	(1)	(1)	1910.....	341,540	2,570,000	(1)
1896.....	623,915	\$2,788,022	(1)	1911.....	394,176	2,856,000	(1)
1897.....	256,331	(1)	(1)	1912.....	474,953	4,424,446	(1)
1898.....	218,378	2,425,066	(1)	1913.....	466,685	2,707,363	2,010
1899.....	369,552	(1)	(1)	1914.....	305,616	2,356,962	5,741
1900.....	390,697	3,847,629	(1)	1915.....	402,622	3,403,995	11,744
1901.....	294,607	2,604,931	(1)	1916.....	345,604	2,212,309	2,240
1902.....	478,268	4,296,822	(1)	1917.....	613,243	3,535,925	592
1903.....	552,268	4,483,229	(1)	1918.....	529,299	2,801,202	70
1904.....	562,677	4,473,617	(1)	1919.....	589,660	4,961,624	634
1905.....	496,406	6,673,532	(1)	1920.....	581,055	1,854,437	1,855
1906.....	475,515	3,443,923	(1)				

¹ No statistics available.

Season of navigation: Light-draft traffic was possible for the entire year; for large boats navigation was suspended for the low-water months of July, August, and September.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND, INTERNAL.							
Animals and animal products, except wool and hair.			91.62		\$16,845	Mile.	Cents.
Cattle.....		79.00		\$13,825		55	9.0
Eggs.....		.02		10		70	22.8
Horses.....		1.00		225		70	14.3
Hogs.....		9.80		1,960		70	20.0
Mules.....		1.50		675		70	15.7
Poultry.....		.30		150		70	14.3
Vegetable food products, oil seed, expressed oils, and beverages.			12,641.23		576,889		
Corn.....		7,627.53		305,101		33	6.0
Cotton seed.....		.70		35		65	5.5
Hay.....		4,355.94		108,900			
Oats.....		10.85		271		55	4.3
Rye.....		.48		12		70	4.3
Straw.....		54.39		1,088		54	4.3
Strawberries.....		376.90		150,700		10	4.0
Wheat.....		214.44		10,722		40	6.3
Textiles: Cotton.....		6.75	6.75	3,530	3,530	43	13.9
Wood and paper.....			23,937.23		271,213		
Logs—							
Towed on barges.....	10,295.00			123,540		42	2.4
Rafted.....	4,191.01			50,292		30	
Lumber.....	6,647.00			79,764		35	3.8
Railroad ties.....	2,404.23			9,617		39	3.0
Singletræ bolts.....	200.00			4,000		100	(1)
Stave bolts.....	200.00			4,000		10.5	13.4
Nonmetallic minerals.....			225,080.50		225,289		
Marble.....		18.00		216		60	13.3
Sand and gravel.....	225,072.50			225,073		10	5.0
Ores, metal, and manufactures except machinery and vehicles: Iron ore.....	50,000.00		50,000.00	250,000	250,000	10	5.0
Total.....	299,073.71	12,757.60	311,767.33		1,343,766		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	1,158	\$321,330
Vegetable food products, oilseeds, expressed oils, and beverages.....	8,482	1,481,117
Other vegetable products, except fibers and wood.....	166	51,400
Textiles.....	8,978	1,601,500
Wood and paper.....	204,237	1,910,247
Nonmetallic minerals.....	1,188	10,306
Machinery and vehicles.....	252	37,800
Chemicals.....	744	18,600
Total.....	225,185	5,432,262

The following is a comparative statement of commerce for a period of 10 years, compiled from the annual reports of the Chief of Engineers, United States Army. The unit of the table is the ton of 2,000 pounds.

Calendar year.	Tonnage as reported in annual reports of Chief of Engineers (total).	Farm products.	Forest products, exclusive of those transported by rafts.	Pig iron.	Marble.	Merchandise, including flour and meal.	Fertilizer.	Miscellaneous, including coal, cement, iron machinery, etc.	Total
1912.....	373,600	22,300	306,000	.....	.....	16,300	1,700	4,800	350,200
1913.....	480,000	18,900	380,500	.....	100	15,300	1,800	2,300	427,000
1914.....	450,000	21,800	227,600	.....	100	12,800	1,800	5,100	260,200
1915.....	471,006	15,771	272,222	.....	15	18,788	1,428	3,184	311,408
1916.....	403,578	29,164	237,734	17,765	16	30,099	9,445	4,766	328,980
1917.....	416,304	20,437	313,602	23,559	16	15,916	846	5,799	380,175
1918.....	240,602	13,807	213,359	1,588	.....	6,541	1,348	2,598	276,241
1919.....	245,759	14,290	212,444	.....	.....	8,982	.....	2,125	236,886
1920.....	225,185	9,806	162,653	.....	.....	8,978	744	1,420	183,601

NOTE.—Except in the second column of the above table, sand and gravel, rafts, and harbor freight have been omitted, the totals in the last column being the totals after the omission of the classes of traffic mentioned.

Vessel classification, 1920.

Registered steamers.....	11
Net registered tonnage.....	1,377

About 45 barges, with a total capacity estimated at 27,375 tons, were employed by the steamers operating in this section.

CHATTANOOGA, TENN., DISTRICT.

TENNESSEE RIVER ABOVE CHATTANOOGA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892.....	91,187	(1)	(1)	1907.....	596,380	\$3,830,790	(1)
1893.....	71,026	(1)	(1)	1908.....	621,500	3,187,620	(1)
1894.....	160,818	(1)	(1)	1909.....	370,430	2,320,360	(1)
1895.....	265,256	(1)	(1)	1910.....	341,540	2,570,000	(1)
1896.....	623,915	\$2,788,022	(1)	1911.....	394,176	2,856,000	(1)
1897.....	256,331	(1)	(1)	1912.....	474,953	4,424,446	(1)
1898.....	218,378	2,425,066	(1)	1913.....	469,085	2,707,363	2,010
1899.....	269,552	(1)	(1)	1914.....	305,616	2,356,992	5,741
1900.....	390,697	3,847,629	(1)	1915.....	402,622	3,403,995	11,744
1901.....	294,607	2,604,931	(1)	1916.....	345,004	2,272,909	2,240
1902.....	478,268	4,296,822	(1)	1917.....	613,243	3,535,925	562
1903.....	552,268	4,483,229	(1)	1918.....	529,399	2,801,202	70
1904.....	562,677	4,473,617	(1)	1919.....	589,660	4,961,624	634
1905.....	496,406	6,673,532	(1)	1920.....	581,055	1,854,437	1,855
1906.....	475,515	3,443,923	(1)				

¹ No statistics available.

Season of navigation: Light-draft traffic was possible for the entire year; for large boats navigation was suspended for the low-water months of July, August, and September.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND, INTERNAL.							
Animals and animal products, except wool and hair.....			91.62		\$16,845	Mile.	Cents.
Cattle.....		79.00		\$13,825		55	9.0
Eggs.....		.02		10		70	22.8
Horses.....		1.00		225		70	14.3
Hogs.....		9.80		1,960		70	20.0
Mules.....		1.50		675		70	15.7
Poultry.....		.30		150		70	14.3
Vegetable food products, oil seed, expressed oils, and beverages.....			12,641.23		576,889		
Corn.....		7,627.53		305,101		33	6.0
Cotton seed.....		.70		35		65	5.5
Hay.....		4,355.94		108,900			
Oats.....		10.85		271		55	4.3
Rye.....		.48		12		70	4.3
Straw.....		54.39		1,088		54	4.3
Strawberries.....		376.90		150,760		10	4.0
Wheat.....		214.44		10,722		40	6.3
Textiles: Cotton.....		6.75	6.75	3,530	3,530	43	13.9
Wood and paper.....			23,937.23		271,213		
Logs—							
Towed on barges.....	10,295.00			123,540		42	2.4
Rafted.....	4,191.00			50,292		30	
Lumber.....	6,647.00			79,764		35	3.8
Railroad ties.....	2,404.23			9,617		39	3.0
Singletræ bolts.....	200.00			4,000		100	(1)
Stave bolts.....	200.00			4,000		10.5	13.4
Nonmetallic minerals.....			225,060.50		225,289		
Marble.....		18.00		216		60	13.3
Sand and gravel.....	225,072.50			225,073		10	5.0
Ores, metal, and manufactures except machinery and vehicles: Iron ore.....	50,000.00		50,000.00	250,000	250,000	10	5.0
Total.....	299,073.73	12,757.60	311,767.33		1,343,766		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
UPBOUND, INTERNAL.							
Vegetable food products, oil seeds, expressed oil, and beverages.			638.56		\$33,792	Miles.	Cents.
Corn.....		501.06		\$20,042		16	10
Flour.....		137.50		13,750		47	7.7
Wood and paper.....			1,364.92		16,379		
Logs.....	1,278.92			15,347		10	(1)
Lumber.....	86.00			1,032		18	(1)
Nonmetallic minerals.....			265,534.05		276,021		
Brick.....	241.05			964		47	4.7
Cement.....		196.00		1,960		60	6.7
Coal.....	2,000.00			10,000		10.5	4.7
Sand and gravel.....	263,097.00			263,097		10	6
Machinery and vehicles.....			23.88		3,864		
Machinery.....		22.00		3,300		60	21.6
Skiff.....		1.88		564		63	12.9
Chemicals: Fertilizer.....		653.00	653.00	19,590	19,590	49	2.4
Unclassified: General mer- chandise.....		1,073.50	1,073.50	161,025	161,025	40	12.5
Total.....	266,702.97	2,584.94	269,287.91		510,671		
Total downbound and upbound.....	565,712.70	15,342.54	581,055.24		1,854,437		

Number of passengers carried, 1,855.

¹ All hauled by owners.

TENNESSEE RIVER, CHATTANOOGA, TENN., TO RIVERTON, ALA. (EXCEPT BROWNS ISLAND TO FLORENCE).

Comparative statement of traffic.

Year. ¹	Tons.	Value.	Passengers.	Year. ¹	Tons.	Value.	Passengers.
1892.....	78,820	(²)	(²)	1907.....	267,900	(²)	(²)
1893.....	77,325	(²)	(²)	1908.....	202,500	(²)	(²)
1894.....	173,355	(²)	(²)	1909.....	288,800	(²)	(²)
1895.....	117,357	(²)	(²)	1910.....	207,100	\$9,367,650	(²)
1896.....	131,406	\$2,686,147	(²)	1911.....	292,000	11,151,471	(²)
1897.....	247,422	(²)	(²)	1912.....	316,200	12,137,595	(²)
1898.....	224,456	3,578,120	(²)	1913.....	192,900	13,865,924	(²)
1899.....	253,340	(²)	(²)	1914.....	207,360	12,334,623	(²)
1900.....	229,160	5,499,779	(²)	1915.....	³ 171,328	9,311,081	7,634
1901.....	129,160	4,584,322	(²)	1916.....	³ 208,443	8,963,076	10,169
1902.....	137,861	5,567,464	(²)	1917.....	³ 170,968	15,611,914	27,193
1903.....	297,861	7,139,914	(²)	1918.....	³ 141,486	14,341,795	22,173
1904.....	173,406	7,204,682	(²)	1919.....	³ 164,250	14,486,683	19,215
1905.....	175,800	9,475,632	(²)	1920.....	³ 185,242	12,002,313	20,434
1906.....	413,800	(²)	(²)				

¹ Years from 1892 to 1919, inclusive, are for the section of river between Chattanooga, Tenn. and Florence, Ala. The year 1920 is for section of river between Chattanooga and Browns Island.² No statistics available.³ The total tons for years 1915 to 1919, inclusive, were changed to correct totals for this section of river.⁴ Includes Nashville, Chattanooga, and St. Louis Railroad car ferry traffic, which moved a distance of 22 miles by water.

[Season of navigation, year 1920: Open all year for boats of medium draft.]

Freight traffic. 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per-ton mile.
	Bulk.	Package.		By com- modities.	By classes.		
DOWNBOUND, INTERNAL.							
Vegetable food products, oilseeds, expressed oils and beverages: Flour		321.00	321.00	\$32,000	\$32,000	Mile. 46	Cents. 7.8
Nonmetallic minerals.			3,890.33		45,980		
Asphalt.		1,496.28		29,926		32	5.1
Brick.	67.00			268		56	4.3
Cement.		768.20		7,682		50	7.2
Coal.	1,549.85			7,749		52	4.6
Oil lubricant.		4.00		140		27	2.2
Gas.		5.00		215		27	3.0
Chemicals: Fertiliser.		5,154.00	5,154.00	154,620	154,620		
Machinery and vehicles.			437.25		93,575		
Automobiles		50.00		35,000		75	34.7
Machinery		382.00		57,000		75	17.3
Skiffs.		5.25		1,575		60	13.3
Unclassified: General mer- chandise.		2,533.00	2,533.00	379,950	379,950	48	9.6
Total.	1,616.85	10,718.73	12,335.58		706,125		
UPBOUND, INTERNAL.							
Animal and animal prod- ucts, except wool and hair.			697.46		126,011		
Cattle.		399.50		69,913		78	7.7
Eggs.		5.90		295		80	18.3
Horses.		24.50		5,513		95	10.9
Hogs.		125.00		25,000		86	15.3
Mules.		45.50		20,470		95	11.6
Poultry.		6.06		3,000		84	11.9
Mussel shells.		91.00		1,820		40	20.0
Vegetable food products, oilseed, expressed oils and beverages.			5,592.24		230,478		
Corn.		3,354.04		134,142		76	3.9
Cotton seed.		1,615.45		80,773		67	3.4
Hay.		558.24		13,956		76	4.8
Oats.		57.04		1,416		90	3.3
Rye.		.72		18		90	3.3
Straw.		5.31		106		90	2.7
Wheat.		1.29		65		90	3.3
Shucks.		.15		2			
Textiles: Cotton.		1,270.25	1,270.25	457,290	457,290	63	9.5
Wood and paper.			26,875.62		317,435		
Logs.	9,413.48			112,962		43	4.8
Lumber.	16,828.11			201,937		60	5.4
Railroad ties.	634.03			2,536		70	1.7
Nonmetallic minerals			13,805.50		14,251		
Marble.		40.50		486		75	1.1
Sand and gravel.	13,765.00			13,765		15	4.5
Machinery and vehicles:							
Automobiles.		50.00	50.00	35,000	35,000	75	34.7
Total.	40,640.62	7,650.45	48,291.07		1,180,465		
Total downbound and upbound.	42,257.47	18,369.18	60,626.65		1,886,590		

Number of passengers carried, 2,895.

Railroad car ferry traffic, 1920.

Commodities.	Amount in short tons.	Value.
Animal products.....	20	\$12,000
Butter and cheese.....	6	6,000
Canned goods (meats).....	140	56,000
Cattle.....	109	19,075
Eggs.....	110	55,000
Horses and mules.....	458	144,720
Hides and leather.....	6	6,000
Hogs.....	170	24,000
Packing-house products.....	261	156,000
Poultry.....	90	45,000
Sheep and goats.....	10	1,800
Beverages.....	6	420
Canned goods (vegetable).....	141	28,200
Corn.....	1,118	44,720
Cotton seed.....	1,848	92,400
Dried fruits.....	48	19,200
Flour and meal.....	2,451	242,550
Fruits.....	81	81,000
Hay.....	2,337	58,425
Ice.....	13	130
Oats.....	1,700	42,500
Potatoes.....	76	4,560
Products of agriculture.....	3,603	272,225
Sugar, syrup, and molasses.....	250	100,000
Vegetable.....	206	82,400
Vegetable oils.....	47	940
Wheat.....	35	1,750
Cotton.....	4,174	1,502,640
Furniture.....	34	17,000
Logs, post poles.....	1,002	12,024
Lumber.....	5,153	61,836
Railroad ties.....	182	728
Other forest products.....	548	5,680
Paper books, printed matter.....	41	16,400
Brick.....	2,194	8,776
Cement.....	473	4,730
Coal.....	16,226	81,130
Coke.....	4,976	49,760
Crude petroleum.....	27	270
Lime.....	456	11,200
Other products of mine.....	99	495
Refined petroleum.....	2,516	88,060
Salt.....	578	578
Sand and gravel, clay and stone.....	1,150	1,150
Tile.....	58	406
Bar and sheet iron, structure iron.....	6,455	193,650
Casting.....	525	15,750
Iron, pig and bloom.....	27,582	827,460
Iron ore.....	34	170
Other ores.....	394	1,970
Other metals, pig, bar, and sheet.....	25	750
Railroad rail and fastenings.....	300	30,000
Sewer pipe.....	200	12,000
Agricultural.....	649	48,675
Automobiles and trucks.....	1,871	1,309,700
Fertilizers.....	4,194	123,120
Chemicals and explosives.....	73	14,600
General merchandise.....	27,060	4,056,000
Household goods.....	96	9,000
Total.....	124,615	10,115,722

Number of passengers carried, 17,539.

Above tabulation covers Nashville, Chattanooga & St. Louis Railroad car ferry traffic between Hobbs Island and Guntersville, Ala., 22 miles by water. This traffic is handled by towboats on large transfer barges which accommodate from 8 to 10 cars each. The ferry is a connecting link between the railroad company's lines on right and left banks of river.

TENNESSEE RIVER BETWEEN FLORENCE, ALA., AND RIVERTON, ALA.

Comparative statement of traffic.

Year. ¹	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1906.....	766,100	\$10,930,000	23,744	1914.....	450,000	\$5,428,874	21,561
1907.....	643,100	10,921,250	25,810	1915.....	471,006	5,624,908	12,557
1908.....	552,600	10,636,445	26,053	1916.....	403,578	8,064,091	23,228
1909.....	375,600	9,020,840	23,360	1917.....	416,304	9,745,016	15,566
1910.....	464,000	8,480,400	(²)	1918.....	280,602	5,783,318	5,590
1911.....	431,100	7,394,412	(²)	1919.....	245,759	6,909,136	5,724
1912.....	373,600	6,261,650	(²)	1920.....	36,809	173,599	894
1913.....	480,000	6,130,874	15,875				

¹ Years 1906 to 1919, inclusive, are for the section of river between Florence, Ala., and Paducah, Ky. The year 1920 is for the section of river between Florence, Ala., and Riverton, Ala.

² No statistics available.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mi.e.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND, INTERNAL.							
Animals and animal products, except wool and hair: Mussel shell.....		500.00	500.00	\$10,000	\$10,000	Miles. 25	Cents. (1)
Vegetable food products, oilseed, expressed oils, and beverages: Flour.....		61.0	61.00	6,100	6,100	27	* 2.4
Wood and paper: Railroad ties.....	35,915.30		35,915.30	143,661	143,661		
Nonmetallic minerals.....			172.5		890		
Brick.....		27.5		110		27	* 8.9
Cement.....		5.0		50		27	* 2.4
Coal.....	140			700		27	* 2.3
Unclassified: General merchandise.....		15.0	15.0	2,250	2,250	27	* 2.5
Total.....	36,055.30	608.50	36,663.80		162,871		
UPBOUND, INTERNAL.							
Animals and animal products, except wool and hair.....			41.05		7,065		
Cattle.....		15.0		375		27	* 7.4
Eggs.....		2.25		1,125		27	* 6.1
Hogs.....		15.0		3,900		27	* 5.1
Horses.....		3.0		675		27	* 5.4
Mules.....		4.0		1,800		27	* 5.4
Poultry.....		1.8		90		27	* 11.9
Vegetable food products, oil seeds, expressed oils, and beverages.....			104.50		3,663		
Corn.....		70.00		2,800		27	* 3.9
Oats.....		7.50		188		27	* 3.3
Hay.....		27.00		675		27	* 4.8
Total.....		145.55	145.55		10,728		
Total downbound and upbound.....	36,055.30	754.05	36,809.35		173,599		

¹ Towed by owner.

* Approximate.

Number of passengers carried, 894.

HALES BAR LOCK, TENN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914.....	10,394	\$787,406	4,085	1918.....	19,369	\$1,252,553	3,471
1915.....	15,685	886,046	1,794	1919.....	18,951	1,188,421	2,134
1916.....	20,712	1,220,734	3,375	1920.....	16,590	618,893	1,617
1917.....	15,681	1,013,803	1,685				

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
DOWNBOUND, INTERNAL.					
Vegetable food products, oil seed, expressed oils, and beverages.....			251.55		\$17,455
Cottonseed meal.....		18.00		\$720	
Corn meal.....		10		16	
Flour.....		79.50		7,950	
Groceries.....		130.50		6,525	
Peas.....		14.25		1,710	
Potatoes.....		8.90		531	
Nonmetallic minerals.....			3,206.00		14,913
Brick.....	213.30				
Cement.....		20		2	
Coal.....	2,951.50			14,773	
Lime.....		2.20		22	
Oil.....		5.80		116	
Machinery and vehicles.....			134.00		20,100
Machinery.....		131.00		20,100	
Fertilizer.....		140.00		4,200	
Chemicals.....			140.00		4,200
Unclassified.....			1,538.00		226,950
Household goods.....		75.00		7,500	
General merchandise.....		1,463.00		219,450	
Total.....	3,197.80	2,071.75	5,269.55		283,618
UPBOUND, INTERNAL.					
Animals and animal products, except wool and hair.....			350.47		58,143
Cattle.....		191.80		23,565	
Goats.....		5.21		912	
Hogs.....		106.15		21,230	
Horses.....		40.50		9,173	
Mules.....		2.00		900	
Sheep.....		.14		28	
Poultry.....		4.67		2,335	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			2,387.44		99,697
Beans.....		12.57		1,508	
Corn.....		1,477.80		59,112	
Cotton seed.....		639.00		31,950	
Eggs.....		1.28		640	
Hay.....		205.83		5,116	
Oats.....		48.71		1,218	
Wheat.....		2.25		123	
Textiles.....			195.85		40,346
Cotton.....		191.85		40,246	
Sacks.....		1.00		100	
Wood and paper.....			8,276.76		87,077
Lows.....	916.94			11,004	
Lumber.....	5,830.50			89,966	
Ties.....	479.32			1,907	
Post.....	1,050.00			4,200	
Nonmetallic minerals: Sand and gravel.....	32.00		32.00	32	32
Ores, metals and manufactures, except machinery and vehicles: Scrap iron.....	7.00		7.00	280	280
Machinery and vehicles: Automobiles.....		71.00	71.00	49,700	49,700
Total.....	8,315.76	3,001.76	11,320.52		335,275
Total downbound and upbound.....	11,513.56	5,073.51	16,590.07		618,893

Number of passengers carried, 1,647.

COLBERT SHOALS CANAL, TENN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1911.....	14,245	\$112,603	56	1916.....	44,414	\$1,472,407	1,264
1912.....	31,943	232,672	1,436	1917.....	38,286	917,173	1,386
1913.....	30,710	214,888	1,113	1918.....	19,980	336,900	1,239
1914.....	23,734	441,400	1,112	1919.....	26,412	1,233,947	1,016
1915.....	32,271	352,150	1,526	1920.....	25,107	238,607	995

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
DOWNBOUND, INTERNAL.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			352.67		\$28,649
Flour.....		218.95		\$21,895	
Groceries.....		124.92		6,246	
Ice.....		6.00		60	
Soda water.....		2.80		448	
Wood and paper.....			23,530.22		99,216
Logs.....	270.00			3,240	
Lumber.....	31.00			372	
Roofing.....		28.00		2,800	
Railroad ties.....	23,201.22			92,804	
Nonmetallic minerals.....			11.15		899
Cement.....		2.30		23	
Lime.....		.10		1	
Salt.....		8.75		875	
Ores, metals, and manufactures, except machinery and vehicles: Drill steel.....		2.00	2.00	400	400
Machinery and vehicles.....			10.00		5,350
Automobiles.....		7.00		4,900	
Machinery.....		3.00		450	
Unclassified.....			265.00		39,735
General merchandise.....		264.50		39,675	
Household goods.....		.50		60	
Total.....	23,502.22	668.82	24,171.04		174,249
UPBOUND, INTERNAL.					
Animals and animal products, except wool and hair.....			22.15		\$5,343
Cattle.....		14.50		2,538	
Eggs.....		4.26		2,130	
Goats.....		.83		145	
Hogs.....		2.50		500	
Poultry.....		.06		30	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			686.09		25,349
Beans.....		.15		18	
Cotton seed.....	261.50			13,075	
Corn.....	65.78			2,731	
Hay.....	63.40			1,585	
Mussel shells.....	212.40			4,248	
Oats.....	28.88			722	
Onions.....	1.50			180	
Peas.....	4.50			540	
Potatoes.....	15.97			958	
Produce.....	1.16			58	
Sweet feed.....	30.85			1,234	
Textiles: Cotton.....	90.60		90.60	32,616	32,616
Nonmetallic minerals: Coal.....	128.00		128.00	640	640
Wood and paper: Soda-water cases.....		1.70	1.70	170	170
Chemicals: Fertilizer.....		8.00	8.00	240	240
Total.....	128.00	808.54	936.54		64,358
Total downbound and upbound.....	23,630.22	1,477.36	25,107.58		238,607

Number of passengers carried, 995.

FRENCH BROAD AND LITTLE PIGEON RIVERS, TENN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1892.....	12,500	(1)	1907.....	82,669	\$567,769
1893.....	17,425	(1)	1908.....	26,930	397,860
1894.....	49,398	(1)	1909.....	15,315	326,860
1895.....	42,888	\$1,333,962	1910.....	17,450	634,080
1896.....	249,804	1,469,835	1911.....	30,221	986,700
1897.....	70,756	617,255	1912.....	31,179	825,830
1898.....	121,960	928,361	1913.....	15,832	455,716
1899.....	102,263	779,705	1914.....	14,083	243,016
1900.....	160,827	1,225,677	1915.....	8,866	322,686
1901.....	103,340	922,032	1916.....	291,336	2195,288
1902.....	157,819	1,810,722	1917.....	129,701	199,421
1903.....	102,076	1,089,453	1918.....	4,231	230,644
1904.....	258,877	2,129,246	1919.....	1,720	115,289
1905.....	188,700	1,599,587	1920.....		
1906.....	139,157	976,421			

¹ No statistics available.² Changed to correct totals.

CLINCH RIVER, TENN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1892.....	25,000	(1)	1907.....	91,655	\$1,522,950
1893.....	608	(1)	1908.....	61,410	388,460
1894.....	12,632	(1)	1909.....	35,400	212,400
1895.....	68,900	\$439,409	1910.....	18,385	129,400
1896.....	39,456	357,783	1911.....	23,897	191,370
1897.....	102,629	903,238	1912.....	27,571	236,892
1898.....	160,345	865,759	1913.....	23,294	173,282
1899.....	185,691	2,391,624	1914.....	23,180	243,766
1900.....	132,511	1,462,294	1915.....	5,291	53,910
1901.....	164,586	1,633,103	1916.....	23,885	175,165
1902.....	129,925	2,272,348	1917.....	8,983	78,018
1903.....	161,716	2,817,373	1918.....	8,376	83,760
1904.....	100,701	1,930,686	1919.....	69,931	1,655,672
1905.....	126,800	4,733,303	1920.....	5,361	49,084
1906.....	112,281	2,161,130			

¹ No statistics available.² Changed to correct total.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities.	By classes.	By commodities.	By classes.	
DOWNBOUND, INTERNAL.					
Wood and paper.....		5,361		\$19,084	Miles.
Loes: Rafted.....	3,431		\$11,172		75
Ties: rafted.....	1,906		7,624		5
Lumber ¹	24		288		40
Total.....	5,361	5,361		49,084	

¹ Towed by owner.

HIWASSEE RIVER, TENN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1832.....	10,129	(1)	1909.....	3,020	\$100,150
1893.....	6,692	(1)	1910.....	3,078	102,640
1894.....	9,837	(1)	1911.....	3,717	100,271
1895.....	8,876	(1)	1912.....	1,112	200,800
1901.....	1,756	(1)	1913.....	2,639	55,666
1902.....	16,041	\$340,207	1914.....	2,342	138,563
1903.....	13,852	412,412	1916.....	468	10,392
1904.....	3,003	77,580	1917.....	2,152	96,854
1905.....	10,875	721,655	1918.....	635	37,150
1906.....	3,560	139,225	1919.....	506	75,900
1907.....	7,340	295,910	1920.....	110	4,385
1908.....	6,330	176,109			

¹ No statistics available.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
UPBOUND, INTERNAL.						
Vegetable food products, oil seeds, expressed oils, and beverages		110		\$4,385	Miles.	Cents. ¹
Corn	109		\$1,360		40	5
Hay	1		25		40	5
Total	110	110		4,385		

¹ Approximate.

FLORENCE, ALA., DISTRICT.

MUSCLE SHOALS CANAL, TENNESSEE RIVER.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1915.....	7,982	\$686,096	120
1916.....	10,439	836,502	60
1917.....	8,677	1,001,288	18
1918.....	5,982	1,155,218	
1919.....	8,225	1,441,601	
1920.....	8,127	876,985	

The foregoing comparative statement of traffic does not contain ferry traffic, floated timber or logs, or freight in transit, nor Government material, as none of this moved along the waterway.

[Navigation season: All year round.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND, LOCAL.						
Animals and animal products, except wool and hair.....			17.60		\$2,060.00	Miles.
Cattle.....	15.90			\$1,590.00		1.3
Horses.....	1.50			350.00		1.3
Turkeys.....		0.20		120.00		1.3
Vegetable food products, oil seeds, etc.:						
Cotton seed.....		557.00	557.00	27,850.00	27,850.00	4.8
Textiles: Cotton.....		1,041.75	1,041.75	520,875.00	520,875.00	6.2
Wood and paper.....			2,965.04		56,170.46	
Logs.....	828.00			16,560.00		1.3
Lumber.....	1,935.10			38,702.00		9.3
Ties, railroad.....	20.11			181.26		5.2
Wood.....	181.80			727.20		3.9
Total.....	2,982.44	1,598.95	4,581.39		606,955.46	
DOWNBOUND, LOCAL.						
Vegetable food products, oils seeds, etc.			519.06		27,820.10	
Beans.....		2.08		248.60		1.3
Corn.....		75.04		3,001.60		5.9
Cow feed.....		3.25		325.00		1.3
Flour.....		134.54		13,454.00		6.8
Hay.....		229.65		6,789.50		1.3
Meal.....		12.80		960.00		1.3
Oats.....		52.13		2,506.50		6.0
Potatoes.....		5.07		354.90		5.2
Produce.....	4.50			180.00		4.6
Textiles: Cotton bagging.....		3.50	3.50	350.00	350.00	7.6
Wood and paper.....			17.15		431.00	
Furniture.....		14.50		325.00		9.4
Shingles.....		2.65		106.00		1.3
Nonmetallic minerals.....			306.75		9,048.50	
Brick.....	77.40			1,548.00		3.9
Cement.....		96.60		1,494.00		2.8
Coal.....	67.00			402.00		2.1
Gasoline.....		19.40		1,946.00		5.3
Lime.....		2.25		49.50		6.8
Oil.....		40.10		3,609.00		5.0
Ores, metals, and manufactures, except machinery, etc.			47.95		4,963.00	
Cotton ties.....		3.75		375.00		7.9
Fencing wire.....		40.00		4,000.00		5.7
Steel bars.....		3.00		420.00		1.3
Iron roofing.....		1.20		168.00		1.3
Machinery and vehicles.....			137.50		25,825.00	
Buggies.....		.50		125.00		1.3
Machinery.....		69.00		13,800.00		5.6
Wagons.....		68.00		11,900.00		2.7
Chemicals.....			1,636.00		64,230.00	
Fertilizer.....		1,515.00		60,600.00		4.5
Salt.....		121.00		3,630.00		9.4
Unclassified.....			879.01		137,362.00	
Groceries.....		112.01		22,402.00		4.8
Hardware.....		3.00		260.00		2.6
Merchandise, miscellaneous.....		764.00		114,600.00		3.9
Total.....	148.90	3,397.02	3,545.92		270,029.60	
Total upbound and downbound, local.....	3,131.34	4,995.97	8,127.31		876,985.06	

During the calendar year 1920 there were no cargoes in transit, railroad car ferry traffic, nor other traffic crossing the canal.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	17. 60	\$2,060. 00
Vegetable food products, oil seeds, etc.....	1,076. 06	55,870. 10
Textiles.....	1,045. 25	521,225. 00
Wood and paper.....	2,982. 19	56,601. 46
Nonmetallic minerals.....	305. 75	9,048. 50
Ores, metals, and manufactures, except machinery, etc.....	47. 95	4,963. 00
Machinery and vehicles.....	137. 50	25,825. 00
Chemicals.....	1,636. 00	64,230. 00
Unclassified.....	879. 01	137,362. 00
Total.....	8,127. 31	876,985. 06

71115—ENG 1921—PT 2—61

The following statement shows boats using Muscle Shoals Canal during the calendar year 1920.

Name.	Kind.	Draft. Inches.	Tonnage.	Class of freight.	Barges in tow.	Schedule.
Lambe Ferry.....	Gasoline towboat.	18	9	General merchandise.....	One to two barges, 100 tons each.	Irregular, between Decatur, Ala., and Lock 3.
J. P. Hagler.....	do.	18	13	Cotton and general merchandise.	Two barges, 175 tons each.	Do.
Annie G.....	do.	18	9	Logs and lumber.....	One 100-ton.	Do.
Clay & Haggin.....	do.	17	3	Cotton and general merchandise.	One 75-ton.	Do.
May Bell.....	do.	18	9	General merchandise.....	One 30-ton.	Do.
Ida.....	do.	12	15	do.	One 75-ton.	Do.
Annie Lou.....	do.	18	13	do.	One 100-ton.	Do.
Hiwassee.....	do.	20	17	Cotton and general merchandise.	One 75-ton.	Do.
H. E. Myrtle.....	Steamboat.	20	47	No freight.....	No barges.....	About two trips per week.
T. L. Brown.....	do.	28	97	Fertilizer and cotton products.....	One 200-ton.	One trip up, from St. Louis, Mo., to Chattanooga, Tenn.
Decatur No. 1.....	do.	30	48	Lumber, wood, etc.....	Two to three, 200 tons each..	Irregular, between Decatur, Ala., and Lock 3.
J. Luther Troxall.....	do.	30	92	Cotton products.....	One 80-ton.	Do.
						One round trip, Decatur, Ala., to Lock 3.

Report of traffic through Muscle Shoals Canal for calendar year 1920.

Commodities.		Locks.										Total.	Value.
A	B	1	2	3	4	5	6	7	8	9	Tons.	Tons.	
Beans	Tons.	2.08									2.08	\$248.60	
Corn	Tons.	75.04	35.00								75.04	3,001.60	
Cotton	Tons.	1,041.75	400.65	225.00	225.00						1,041.75	520,875.00	
Cotton seed	Tons.	557.00	200.00	225.00							557.00	27,850.00	
Hay	Tons.	229.65									229.65	6,799.50	
Cattle	Tons.	15.90									15.90	1,590.00	
Horses	Tons.	1.50									1.50	350.00	
Turkeys	Tons.	20									20	120.00	
Oats	Tons.	52.13	25.00								52.13	2,506.50	
Potatoes	Tons.	5.07	2.00								5.07	354.90	
Produce	Tons.	4.50	1.50								4.50	190.00	
Furniture	Tons.	14.50	12.00								14.50	325.00	
Fencing wire	Tons.	40.00	18.00								40.00	4,000.00	
Salt	Tons.	121.00	100.00								121.00	3,630.00	

Cotton ties.....	3.75	2.50	2.50	2.50	3.75	2.50	3.75	3.75	375.00
Cotton bagging.....	3.50	2.25	2.25	2.25	3.50	2.25	3.50	3.50	350.00
Steel bars.....	3.00				3.00		3.00	3.00	420.00
Iron roofing.....	1.20				1.20		1.20	1.20	165.00
Loos.....	828.00				828.00		828.00	828.00	16,560.00
Lumber.....	1,935.10	1,935.10			1,935.10		1,935.10	1,935.10	38,702.00
Ties, railroad.....	20.14	10.00			20.14		20.14	20.14	181.26
Wood.....	181.80	60.00			181.80		181.80	181.80	727.20
Shingles.....	2.65				2.65		2.65	2.65	106.00
Brick.....	77.40	22.00			77.40		77.40	77.40	1,548.00
Cement.....	99.60	15.00			99.60		99.60	99.60	1,494.00
Fertilizer.....	1,515.00	500.00			1,515.00		1,515.00	1,515.00	60,600.00
Flour.....	134.54	75.00			134.54		134.54	134.54	13,454.00
Merchandise, miscellaneous.....	764.00	200.00			764.00		764.00	764.00	114,600.00
Groceries.....	112.01	40.00			112.01		112.01	112.01	22,402.00
Lime.....	2.25	1.25			2.25		2.25	2.25	49.50
Machinery.....	69.00	30.00			69.00		69.00	69.00	13,800.00
Meal.....	12.80				12.80		12.80	12.80	960.00
Bug-ies.....	.50				.50		.50	.50	125.00
Hardware.....	3.00	10.00			3.00		3.00	3.00	380.00
Wagons.....	68.00				68.00		68.00	68.00	11,900.00
Cow feed.....	3.25				3.25		3.25	3.25	325.00
Oil.....	40.10	15.00			40.10		40.10	40.10	3,609.00
Gasoline.....	19.40	8.00			19.40		19.40	19.40	1,946.00
Total.....	8,127.31	3,726.75	1,714.65	225.00	8,127.31	225.00	225.00	8,127.31	576,985.06
Lockages.....	319	223	176	16	318	16	8	6	.....

With the exception of that shown in the report on Muscle Shoals Canal, there was no commerce on this waterway within the limits of the Florence district, the river in the vicinity of Wilson Dam having been closed to navigation by authority of the Secretary of War, to remain closed during the period of construction.

OHIO RIVER.

Comparative statement of traffic.

(Traffic through locks and open river and traffic by ferries not separate.)

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892.....	6,901,186	(1)	(1)	1904.....	10,142,551	(1)	(1)
1893.....	7,371,804	(1)	(1)	1905.....	13,163,656	\$92,145,592	(1)
1894.....	7,795,501	(1)	(1)	1906.....	11,427,784	79,994,488	(1)
1895.....	7,993,478	(1)	(1)	1907.....	11,306,544	79,145,808	(1)
1896.....	9,914,435	(1)	(1)	1908.....	8,498,754	59,491,278	(1)
1897.....	11,265,638	(1)	(1)	1909.....	8,676,701	60,736,907	(1)
1898.....	6,759,627	(1)	(1)	1910.....	11,112,216	358,899,889	(1)
1899.....	13,529,742	(1)	(1)	1911.....	12,046,294	82,074,878	(1)
1900.....	14,054,322	(1)	(1)	1912.....	8,618,369	71,064,229	(1)
1901.....	10,094,978	(1)	(1)	1913.....	9,814,123	77,026,901	(1)
1902.....	12,202,017	(1)	(1)	1914.....	9,530,309	93,294,479	(1)
1903.....	12,499,342	(1)	(1)	1915.....	9,273,184	188,510,914	(1)

1 No statistics available.

	Short tons.	Value.	Passengers.
Calendar year 1916:			
Through locks and open river.....	6,044,914.43	\$38,773,721.90	1,188,516
Ferries.....	1,872,198.18	126,356,765.63	2,961,895
Total.....	7,917,112.61	165,130,487.53	4,150,411
Calendar year 1917:			
Through locks and open river.....	4,598,875.32	70,510,378.97	637,378
Ferries.....	1,550,338.00	238,762,376.76	2,823,634
Total.....	6,149,213.32	309,272,755.73	3,461,012
Calendar year 1918:			
Through locks and open river.....	6,171,412.70	77,685,322.47	864,353
Ferries.....	451,528.30	67,969,594.81	9,467,556
Total.....	6,622,941.00	145,654,917.28	10,331,909
Calendar year 1919:			
Through locks and open river.....	5,004,377.74	88,912,135.54	1,049,066
Ferries.....	495,045.86	97,798,196.67	3,260,225
Total.....	5,499,423.60	186,710,332.21	4,309,291
Calendar year 1920:			
Through locks and open river.....	9,382,433.70	223,443,491.73	1,130,112
Ferries.....	495,831.66	145,164,075.30	3,325,728
Total.....	9,879,325.36	368,607,567.03	4,455,840

[Navigation season: Throughout the calendar year.]

Freight traffic, 1920.

DOMESTIC.

Articles.	Lock.					Downstream commerce.				Pass and open river.		
	Tons.	Ton-miles.	Average haul.	Value.	Miles.	Tons.	Ton-miles.	Average haul.	Value.	Miles.	Tons.	Ton-miles.
Beer.....	114.00	4,485	38.34	89,060.00	44,382	371.40	139,194	23.40	444,638.50	119.50	331,599.00	44,382
Brick.....	226.50	21,285	93.97	1,449.60	8,824	351.60	7,411	15.00	18,281.70	25.10	2,250.24	8,824
Coal.....	2,345,872.50	205,183,954	87.47	15,482,758.50	199.89	3,941,846.00	669,661,881	169.89	28,016,183.60	51.98	32,298.55	199.89
Cement.....	20,822.81	3,407,703	127.04	348,696.53	129,127	2,484.35	2,947,600	32.82	934,024.00	68.57	19,135.20	129,127
Coke.....	71,054.00	1,523,044	21.44	738,861.60	12,864	89,810.00	2,947,600	32.82	934,024.00	68.57	19,135.20	12,864
Cooperage.....	23.55	5,639	2.52	2,402.10	109.30	187.60	1,431	13.55	10,930.00	108.96	177,860.00	1,431
Cotton seed.....	157.30	39,502	251.13	157,300.00	17,713	177.86	387,801	8.00	3,150.00	108.96	124,566.00	17,713
Dry goods.....	645.00	46,512	70.56	22,575.00	35.00	3,569.00	8.00	8.00	104,070.00	51.08	434,430.00	35.00
Fertilizers.....	1,208.70	231,383	191.43	145,044.00	44,299	897.25	229,966	23.82	1,107,600.00	85.35	444,638.50	44,299
Flaxseed.....	108.00	18,269	168.74	7,560.00	9,654.00	5,538.00	472,063	23.40	444,638.50	23.40	444,638.50	9,654.00
Flour.....	4,430.00	1,377,674	310.99	896,000.00	8,084.30	8,084.30	189,194	23.40	444,638.50	23.40	444,638.50	8,084.30
Furniture.....	25.50	2,339	93.69	1,402.50	494.10	494.10	7,411	15.00	18,281.70	25.10	2,250.24	7,411
Grain.....	28.89	1,342	46.45	1,008.93	422.40	422.40	31,328	74.17	33,792.00	36.05	15,708.00	31,328
Corn.....	12.40	1,297	104.60	694.40	290.50	290.50	344,757	38.21	2,555,875.00	123.87	1,417,700.00	344,757
Oats.....	2,303.00	534,499	232.08	575,750.00	4.65	9,023.50	376	576	1,417,700.00	2.84	98,107.00	4.65
Wheat.....	14.00	2,408	1.72	840.00	7,088.50	7,088.50	204,474	18.07	98,107.00	154.52	6,377,290.00	204,474
Other.....	2,260.50	464,571	206.52	452,100.00	3,383.00	3,383.00	61,145	18.07	98,107.00	154.52	6,377,290.00	61,145
Groceries.....	47.00	3,450	73.40	1,383.00	300.23	300.23	2,191	60.86	1,152.00	546.94	6,377,290.00	3,450
Hay feed, and straw.....	5.10	973	190.78	3,519.00	36.00	36.00	29,066.580	2.00	28.00	16.68	105,491.20	36.00
Hides.....	289,676.10	172,523,287	596.57	34,761,132.00	3,296.60	3,296.60	54,997	16.68	105,491.20	158.18	12,121.20	3,296.60
Hoop poles.....	300.00	1,500	5.00	2,100.00	7.77	7.77	17,915	45.43	8,706.80	17,915	8,706.80	17,915
Iron and steel manufactures.....	2.66	156	58.87	84.80	386.90	386.90	17,915	45.43	8,706.80	17,915	8,706.80	386.90
Iron ore.....	5.63	259	46.00	123.86	123.86	123.86	17,915	45.43	8,706.80	17,915	8,706.80	259
Lath.....												
Leather.....												
Lime.....												

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Articles.	Downstream commerce.					Pass and open river.				
	Lock.		Downstream commerce.			Pass and open river.		Downstream commerce.		
	Tons.	Ton-miles.	Average haul.	Value.	Tons.	Ton-miles.	Average haul.	Tons.	Ton-miles.	Value.
Live stock:										
Cattle.....	51.13	9,423	184.29	\$10,992.95	4,372.69	349,967	80.03	8940,128.35		
Hogs.....	1.80	12,279	155.00	5,201.80	5,201.80	391,184	75.30	1,909,080.60		
Horses and mules.....	58.00	12,565	216.64	23,200.00	23,200.00	39,968	78.35	1,209,400.00		
Sheep.....	15.60	3,103	198.91	2,652.00	2,652.00	55,953	141.45	87,248.60		
Logs.....	3,147.00	220,733	70.14	75,528.00	30,414.40	3,258,464	107.14	729,945.60		
Lumber.....	56,500.00	26,229	44.12	14,268.00	13,335.15	103,401	7.75	320,043.60		
Machinery.....	1,265,486	1,265,486	22.40	11,300,000.00	1,443.00	107,179	74.12	280,200.00		
Merchandise, miscellaneous.....	5,295.00	1,199,270	224.50	1,059,756.00	59,818.00	8,172,236	136.62	11,963,600.00		
Molasses.....	4.20	876,248	138.57	1,036,658.70	29.00	1,908	65.79	5,220.00		
Oil.....	23,036.56	876,248	38.04	1,036,658.70	10,801.64	714,309	66.13	486,073.80		
Oil well supplies.....	3,248.00	1,021,928	314.60	812,000.00	1,116.00	24,785	22.21	279,000.00		
Paints.....	1,583.00	326,132	204.73	398,250.00	1,208.00	25,244	121.37	52,000.00		
Peanuts.....	14.70	2,557	173.95	7,938.00	30.00	61	203.33	66.00		
Poultry.....	694.48	67,530	97.24	104,172.00	429.02	26,902	62.70	231,708.60		
Produce, farm.....	39.30	5,479	138.71	6,920.00	6,781.21	324,706	48.02	1,014,183.50		
Salt.....	6,920.00	1,017,465	147.03	6,920.00	882,115.80	12,567,875	95.09	10,020.80		
Sand and gravel.....	50	86	183.33	24.00	821.80	12,315	14.99	862,115.80		
Shingles.....	600.00	12,000	20.00	1,560.00	953.50	19,594	20.55	32,872.00		
Spokes.....	53.00	6,504	122.72	10,600.00	8,818.50	3,185,613	361.24	22,928.10		
Staves.....	600.00	12,000	20.00	1,560.00	3,399.00	22,486	56.36	79,800.00		
Stone.....	53.00	6,504	122.72	10,600.00	14.17	1,740	122.79	79,800.00		
Sugar.....	600.00	581,100	968.50	4,800.00	338,967.20	3,965,147	11.70	2,711,737.60		
Tallow.....	23.40	4,099	175.17	14,742.00	2,380.40	2,242,246	101.77	1,499,652.00		
Ties, railroad.....	50,486.50	7,817,249	153.59	10,179,100.00	280,152.00	11,173,125	42.95	7,200.00		
Tobacco.....										
Wool.....										
Miscellaneous.....										
Total.....	2,898,790.10	399,860,956	137.94	78,667,155.07	5,750,863.92	748,812,764	130.21	115,661,924.64		

Articles.	Upstream commerce.					Pass and open river.					Grand total (up and down stream).			
	Lock.													
	Tons.	Ton-miles.	Average haul.	Value.	Tons.	Ton-miles.	Average haul.	Value.	Tons.	Ton-miles.	Value.	Tons.	Ton-miles.	Value.
Beer.....	90.00	1,781	Miles. 19.79	\$7,650.00	1,254.80	138,155	110.10	\$106,658.00	1,830.20	188,803	\$155,567.00	1,830.20	188,803	\$155,567.00
Brick.....	4,351.50	323,805	74.41	27,649.00	1,743.50	20,464	11.70	11,158.40	6,073.10	374,378	42,707.84	6,073.10	374,378	42,707.84
Coal.....	35,931.00	2,420,492	67.62	237,144.00	163,138.00	2,924,401	17.93	1,076,710.80	6,486,778.50	880,196,728	42,812,707.50	6,486,778.50	880,196,728	42,812,707.50
Cement.....	2,929.94	342,514	116.90	38,089.22	1,221.60	183,330	150.24	15,880.80	33,458.70	4,062,874	434,963.10	33,458.70	4,062,874	434,963.10
Coke.....	3,200.00	64,000	20.00	33,280.00	91.00	27,458	300.64	9,446.40	164,155.00	4,462,002	1,707,212.00	164,155.00	4,462,002	1,707,212.00
Corn.....	10.00	789	78.90	1,000.00	10.25	27,458	140.98	1,045.50	221.40	20,248	22,582.80	221.40	20,248	22,582.80
Cotton seed.....	251.60	153,188	608.85	251,600.00	7.00	1,428	204.00	1,700.00	126.30	3,698	12,630.00	126.30	3,698	12,630.00
Dry goods.....	160.00	22,096	138.10	5,600.00	551.85	103,707	186.77	551,850.00	1,138.61	313,473	1,138,610.00	1,138.61	313,473	1,138,610.00
Fertilizers.....					8,017.50	1,394,705	173.97	280,595.00	12,381.00	1,850,382	433,335.00	12,381.00	1,850,382	433,335.00
Flax seed.....	7.20	1,327	184.30	864.00	367.40	26,394	71.84	44,088.00	35.50	3,195.00	3,195.00	35.50	3,195.00	3,195.00
Flour.....	6.00	2,814	469.00	270.00					2,450.55	303,403	294,066.00	2,450.55	303,403	294,066.00
Flour, par.....	1,247.00	885,298	709.94	249,400.00	1,326.00	195,694	147.58	265,200.00	9,828.00	251,040	442,260.00	9,828.00	251,040	442,260.00
Furniture.....									12,541.00	2,831,359	2,508,200.00	12,541.00	2,831,359	2,508,200.00
Grain.....	35.80	2,416	67.48	1,969.00	59.80	6,136	102.61	3,289.00	8,205.40	200,135	451,287.00	8,205.40	200,135	451,287.00
Corn.....	11.00	1,045	95.00	407.00	42.00	23,052	548.86	1,554.00	575.69	32,850	32,850.00	575.69	32,850	32,850.00
Oats.....	1,773.50	174,519	98.40	141,890.00	152.00	3,368	22.16	12,160.00	2,347.90	206,215	187,832.00	2,347.90	206,215	187,832.00
Wheat.....	7.00	651	93.00	392.00	668.46	60,404	10.36	37,433.76	968.36	72,463	54,228.16	968.36	72,463	54,228.16
Other.....	567.00	117,723	207.62	141,750.00	5,312.00	746,210	140.48	1,328,000.00	17,205.50	1,743,159	4,301,375.00	17,205.50	1,743,159	4,301,375.00
Groceries.....	170.00	18,833	110.78	10,200.00	26.95	5,911	219.33	1,617.00	215.60	27,728	12,936.00	215.60	27,728	12,936.00
Hardware.....	851.00	159,628	187.58	170,200.00	1,468.00	265,216	180.66	298,600.00	11,668.00	1,083,989	2,333,600.00	11,668.00	1,083,989	2,333,600.00
Hay, feed, and straw.....	1,077.00	106,944	99.30	31,223.00	312.00	34,844	111.68	9,048.00	4,819.00	206,383	139,751.00	4,819.00	206,383	139,751.00
Hides.....	1.60	176	110.00	1,04.00					106.93	16,357	73,781.70	106.93	16,357	73,781.70
Hoop poles.....	2.70	253	93.70	86.40	38.00	78	2.05	1,216.00	76.70	2,522	2,454.40	76.70	2,522	2,454.40
Iron and steel manufactured.....	11,164.00	539,934	50.16	1,339,680.00	1,347.00	183,068	143.33	161,640.00	355,331.10	202,342,869	42,639,732.00	355,331.10	202,342,869	42,639,732.00
Iron ore.....	26.00	3,434	132.07	182.00	7.00	1,704	161.21	338.24	3,304.82	5,369	2,359.00	3,304.82	5,369	2,359.00
Lath.....					6.03	1,704	515.80	9,406.80	14.05	56,857	106,914.24	14.05	56,857	106,914.24
Leather.....	25	51	204.00	390.00	123.77	14,780	119.42	2,722.94	528.30	33,563	21,918.00	528.30	33,563	21,918.00
Lime.....	3.00	609	203.00	66.00										
Live stock.....														
Cattle.....	1,184.18	142,988	120.75	254,988.70	390.06	50,394	132.59	81,712.90	5,988.06	552,772	1,287,432.90	5,988.06	552,772	1,287,432.90
Hogs.....	970.20	101,261	104.47	356,663.40	147.00	24,138	164.20	53,949.00	6,330.80	516,962	2,319,733.60	6,330.80	516,962	2,319,733.60
Horses and mules.....	94.00	16,738	178.08	37,600.00	303.90	5,872	176.44	121,520.00	979.30	122,873	391,720.00	979.30	122,873	391,720.00
Sheep.....	1,087.00	76,900	72.75	13,601.70	33.87	4,582	135.43	5,757.90	525.06	75,811	89,260.20	525.06	75,811	89,260.20
Log.....	1,695.25	57,671	92.24	25,368.00	2,261.00	251,809	111.37	54,264.00	36,879.40	3,807,906	885,105.60	36,879.40	3,807,906	885,105.60
Lumber.....	139.00	34,158	245.74	15,006.00	1,976.65	65,719	33.25	47,439.60	16,531.55	1,695,892	396,757.20	16,531.55	1,695,892	396,757.20
Machinery.....	4,596.00	946,655	213.58	27,900.00	10,650.50	289,160	165.99	333,100.00	59,850.50	1,099,892	11,970,100.00	59,850.50	1,099,892	11,970,100.00
Merchandise, miscellaneous.....	10.00	3,878	204.10	3,120.00	35.67	6,670	158.96	6,420.60	80,289.50	12,285,614	16,057,900.00	80,289.50	12,285,614	16,057,900.00
Miscellaneous.....									46,412.28	2,831,359	2,508,200.00	46,412.28	2,831,359	2,508,200.00
Oil.....	10,818.92	1,096,978	101.58	486,551.40	1,754.86	246,371	140.39	78,968.70						

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Articles.	Upstream commerce.						Pass and open river.				Grand total (up and down stream).			
	Lock.													
	Tons.	Ton-miles.	Average haul.	Value.	Tons.	Ton-miles.	Average haul.	Value.	Tons.	Ton-miles.	Value.	Tons.	Ton-miles.	Value.
Oil-well supplies.....	585.00	34,598	59.14	\$146,250.00	105.00	7,800	74.29	\$26,250.00	5,054.00	1,089,011	\$1,263,500.00	5,054.00	1,089,011	\$1,263,500.00
Paints.....	78.00	15,256	195.59	19,500.00	914.10	112,342	122.60	228,525.00	2,793.10	478,074	686,275.00	2,793.10	478,074	686,275.00
Poultry.....	813.84	105,880	240.69	439,473.60	132.80	30,280	145.80	71,712.00	1,390.43	255,599	750,832.20	1,390.43	255,599	750,832.20
Produce, farm.....	2,798.51	597,576	188.45	419,928.50	447.00	42,553	183.22	67,960.00	10,702.28	962,373	1,005,842.00	10,702.28	962,373	1,005,842.00
Rail.....	198,193.10	6,530	40.35	3,198.00	412.56	2,317	184.47	771.46	871.46	16,883	13,943.36	871.46	16,883	13,943.36
Salt.....	198,993.00	1,969,752	9.85	198,993.00	148,719.80	1,489,280	10.01	148,719.80	1,216,748.00	17,034,372	1,216,748.00	1,216,748.00	17,034,372	1,216,748.00
Shingles.....	19.00	448	23.42	760.00	4.50	1,324	294.22	14.00	843.00	14,194	33,936.00	843.00	14,194	33,936.00
Spokes.....	3.00	30	10.00	150.00	2.00	186	100.40	284.00	861.00	20,496	46,086.00	861.00	20,496	46,086.00
Staves.....	2,725.00	212,225	77.88	7,065.00	10,465.50	169,373	204.00	27,281.80	22,636.50	3,579,211	58,854.80	22,636.50	3,579,211	58,854.80
Sugar.....	46.50	8,948	192.32	9,500.00	172.18	29,055	16.14	34,436.00	670.68	66,868	134,136.00	670.68	66,868	134,136.00
Tallow.....	161.00	43,309	800.00	30.00	.....	.....	.....	.....	.....	1,874	1,441.00	.....	1,874	1,441.00
Ties, railroad.....	349.80	41,507	118.06	1,288.00	.....	.....	.....	.....	339,728.20	4,389,556	2,717,825.60	339,728.20	4,389,556	2,717,825.60
Tobacco.....	.....	13	16.06	220,374.00	157.70	28,113	178.83	99,036.00	2,910.80	315,965	1,853,804.00	2,910.80	315,965	1,853,804.00
Wool.....	34,696.00	6,333,937	182.56	6,939,200.00	40,178.50	6,731,771	167.55	8,035,700.00	385,922.00	32,056,062	77,184,400.00	385,922.00	32,056,062	77,184,400.00
Miscellaneous.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	324,851.28	17,267,911	53.16	13,224,151.72	407,938.40	17,973,842	44.06	15,890,260.30	9,382,463.70	1,183,915,493	223,443,491.73	9,382,463.70	1,183,915,493	223,443,491.73

Downstream commerce						Upstream commerce:						Grand total—					
Lock—						Lock—						Passengers.....					
Passengers.....	65,497	.....	.....	.....	.....	Passengers.....	65,065	.....	.....	.....	.....	Passengers.....	.....	.....	.....	1,180,112	.....
Passenger-miles.....	2,105,286	.....	.....	.....	.....	Passenger-miles.....	1,935,371	.....	.....	.....	.....	Passenger-miles.....	.....	.....	.....	21,357,881	.....
Average haul.....	32.14	.....	.....	.....	.....	Average haul.....	29.12	.....	.....	.....	.....	Ferries—	.....	.....	.....	.....	.....
Pass and open river—	.....	.....	.....	.....	.....	Pass and open river—	.....	.....	.....	.....	.....	Tons.....	.....	.....	.....	499,861.66	.....
Passengers.....	505,496	.....	.....	.....	.....	Passengers.....	494,024	.....	.....	.....	.....	Ton-miles.....	.....	.....	.....	213,431	.....
Passenger-miles.....	9,651,377	.....	.....	.....	.....	Passenger-miles.....	7,705,644	.....	.....	.....	.....	Value.....	.....	.....	.....	\$145,164,075.30	.....
Average haul.....	19.09	.....	.....	.....	.....	Average haul.....	15.60	.....	.....	.....	.....	Passengers.....	.....	.....	.....	3,325,728	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Passenger-miles.....	.....	.....	.....	1,662,964	.....

Vessel classification, 1920.

LOCK NO. 1.

Kind of boat.	Through lock.		Through pass.		Total.
	Up.	Down.	Up.	Down.	
Passenger boats.....	289	293	44	42	668
Towboats.....	932	940	329	324	2,525
Government boats.....	57	58	21	21	157
Coal barges.....	2,568	2,601	754	734	6,657
Coal boats.....	716	726	187	227	1,856
Other barges.....	10	11	.....	2	23
Flats.....	293	324	72	105	794
Small craft.....	340	381	38	48	807
Total.....	5,205	5,334	1,445	1,503	13,487

Lockages..... 2,865
Trips through pass..... 839

LOCK NO. 2.

Passenger boats.....	220	227	43	41	531
Towboats.....	1,075	1,072	312	310	2,769
Government boats.....	39	37	19	20	115
Coal barges.....	3	.....	29	16	48
Coal boats.....	1,247	1,288	372	378	3,285
Other barges.....	2,054	2,140	600	557	5,351
Flats.....	326	347	41	77	791
Small craft.....	261	270	36	30	597
Total.....	5,225	5,381	1,452	1,429	13,487

Lockages..... 2,770
Trips through pass..... 762

LOCK NO. 3.

Passenger boats.....	220	211	43	40	514
Towboats.....	724	710	267	274	1,975
Government boats.....	27	27	24	25	103
Coal barges.....	1,094	1,168	404	419	3,085
Coal boats.....	668	678	191	208	1,745
Other barges.....	22	36	1	5	64
Rafts.....	.....	1	.....	.....	1
Flats.....	1,259	1,326	427	441	3,453
Small craft.....	227	234	39	36	536
Total.....	4,241	4,391	1,396	1,448	11,476

Lockages..... 2,034
Trips through pass..... 855

LOCK NO. 4.

Passenger boats.....	181	177	44	41	443
Towboats.....	343	346	141	143	973
Government boats.....	22	22	7	7	58
Coal barges.....	437	481	217	184	1,319
Flats.....	1,170	1,246	349	423	3,188
Small craft.....	285	292	53	50	680
Total.....	2,438	2,564	811	848	6,661

Lockages..... 1,364
Trips through pass..... 383

Vessel classification, 1920—Continued.

LOCK NO. 5.

Kind of boat.	Through lock.		Through pass.		Total.
	Up.	Down.	Up.	Down.	
Passenger boats.....	162	162	53	51	428
Towboats.....	446	428	198	202	1,274
Government boats.....	30	34	16	16	96
Coal barges.....	1,272	1,354	488	507	3,671
Coal boats.....			1		1
Other barges.....	108	124	43	52	327
Flats.....	323	310	85	154	872
Small craft.....	71	115	17	12	215
Total.....	2,412	2,527	901	994	6,834

Lockages..... 1,314
Trips through pass..... 516

LOCK NO. 6.

Passenger boats.....	156	157	64	55	41
Towboats.....	361	353	167	173	1,051
Government boats.....	14	14	10	10	48
Coal barges.....	1,202	1,292	535	576	3,606
Coal boats.....	2	1			3
Other barges.....	35	42	24	28	129
Flats.....	263	263	56	100	682
Small craft.....	176	215	50	53	494
Total.....	2,209	2,337	906	995	6,447

Lockages..... 1,234
Trips through pass..... 538

LOCK NO. 7.

Passenger boats.....	153	156	57	48	414
Towboats.....	310	307	243	245	1,106
Government boats.....	16	15	6	6	43
Coal barges.....	776	838	318	406	2,338
Other barges.....	18	40	1	6	65
Flats.....	197	243	164	142	746
Small craft.....	265	314	26	35	640
Total.....	1,735	1,913	815	888	5,351

Lockages..... 1,235
Trips through pass..... 608

LOCK NO. 8.

Passenger boats.....	161	158	61	58	438
Towboats.....	194	192	123	118	627
Government boats.....	14	13	5	5	37
Coal barges.....	373	404	243	265	1,285
Coal boats.....		1			1
Other barges.....	13	27	2	1	43
Flats.....	984	1,024	240	300	2,548
Small craft.....	506	573	124	148	1,351
Total.....	2,245	2,392	798	895	6,330

Lockages..... 1,510
Trips through pass..... 370

Vessel classification, 1920—Continued.

LOCK NO. 9.

Kind of boat.	Through lock.		Through pass.		Total.
	Up.	Down.	Up.	Down.	
Passenger boats.....	163	157	60	55	435
Towboats.....	449	445	171	181	1,246
Government boats.....	5	5	4	4	218
Coal barges.....	714	749	335	373	2,171
Other barges.....	107	133	33	61	334
Flats.....	524	553	144	185	1,406
Small craft.....	107	145	22	36	310
Total.....	2,069	2,187	769	895	5,920

Lockages..... 1,355
 Trips through pass..... 508

LOCK NO. 10.

Passenger boats.....	158	160	62	50	430
Towboats.....	386	374	179	182	1,121
Government boats.....	10	9	4	9	32
Coal barges.....	371	538	259	313	1,481
Coal boats.....				3	3
Other barges.....	9	25			34
Flats.....	622	555	216	288	1,679
Small craft.....	120	169	26	51	366
Total.....	1,676	1,830	746	894	5,146

Lockages..... 1,213
 Trips through pass..... 479

LOCK NO. 11.

Passenger boats.....	171	169	52	44	436
Towboats.....	305	315	102	108	830
Government boats.....	12	13	2	2	29
Coal barges.....	216	209	47	106	578
Other barges.....	116	165	53	72	406
Flats.....	120	126	17	11	274
Small craft.....	97	105	15	45	262
Total.....	1,037	1,102	288	388	2,815

Lockages..... 996
 Trips through pass..... 345

LOCK NO. 12.

Passenger boats.....	169	180	60	50	459
Towboats.....	433	430	154	152	1,169
Government boats.....	24	21	3	4	52
Coal barges.....	223	240	55	87	605
Other barges.....	43	83	5	9	140
Rafts.....	2				2
Flats.....	340	386	123	120	969
Small craft.....	295	329	29	38	691
Total.....	1,529	1,669	429	460	4,087

Lockages..... 1,586
 Trips through pass..... 431

Vessel classification, 1920—Continued.

LOCK NO. 13.

Kind of boat.	Through lock.		Through pass.		Total.
	Up.	Down.	Up.	Down.	
Passenger boats.....	261	245	112	106	724
Towboats.....	273	254	87	91	705
Government boats.....	19	20	5	6	50
Coal barges.....	9	8	19	36	36
Other barges.....	44	91	33	60	228
Flats.....	343	345	58	79	825
Small craft.....	148	199	69	69	485
Total.....	1,097	1,154	372	430	3,053

Lockages..... 1,246
Trips through pass..... 406

LOCK NO. 14.

Passenger boats.....	231	227	96	95	649
Towboats.....	191	186	88	92	557
Government boats.....	14	14	5	5	38
Coal barges.....	52	7	29	88	88
Other barges.....	238	223	73	138	672
Flats.....	108	90	43	39	280
Small craft.....	95	140	30	44	309
Total.....	877	932	342	442	2,593

Lockages..... 967
Trips through pass..... 433

LOCK NO. 15.

Passenger boats.....	236	232	101	100	669
Towboats.....	205	208	90	87	590
Government boats.....	12	13	6	6	37
Coal barges.....	273	309	70	124	776
Other barges.....	78	90	54	55	277
Rafts.....	3	3	62	62	3
Small craft.....	214	235	62	62	573
Total.....	1,018	1,090	383	434	2,925

Lockages..... 1,079
Trips through pass..... 412

LOCK NO. 16.

Passenger boats.....	137	140	56	52	385
Towboats.....	214	209	98	96	617
Government boats.....	11	16	6	4	37
Coal barges.....	86	84	21	94	285
Other barges.....	40	47	19	19	125
Rafts.....	5	5	1	1	6
Flats.....	210	235	75	77	597
Small craft.....	43	78	4	7	132
Total.....	741	814	279	350	2,184

Lockages..... 856
Trips through pass..... 342

Vessel classification, 1920—Continued.

LOCK NO. 17.

Kind of boat.	Through lock.		Through pass.		Total.
	Up.	Down.	Up.	Down.	
Passenger boats.....	273	275	190	181	919
Towboats.....	192	201	111	117	621
Government boats.....	13	11	4	6	34
Coal barges.....	63	53	34	53	203
Coal boats.....			5	1	6
Other barges.....	36	58	1	34	129
Rafts.....		28		32	60
Flats.....	284	291	165	200	940
Small craft.....	79	96	19	34	228
Total.....	940	1,013	529	658	3,140

Lockages..... 1,011
 Trips through pass..... 628

LOCK NO. 18.

Passenger boats.....	121	129	70	61	381
Towboats.....	182	177	69	74	502
Government boats.....	18	15	5	5	43
Coal barges.....	8	10		38	56
Coal boats.....	2				2
Other barges.....	252	299	83	120	754
Rafts.....		2		2	4
Small craft.....	90	128	15	4	237
Total.....	673	760	242	304	1,979

Lockages..... 819
 Trips through pass..... 284

LOCK NO. 19.

Passenger boats.....	115	117	60	54	346
Towboats.....	132	131	62	60	385
Government boats.....	14	15	17	10	56
Coal barges.....	6	1	6	43	56
Other barges.....	262	275	98	124	759
Rafts.....		2	6		8
Flats.....					
Small craft.....	120	158	11	21	310
Total.....	649	699	260	312	1,920

Lockages..... 672
 Trips through pass..... 268

LOCK NO. 20.

Passenger boats.....	115	114	60	60	349
Towboats.....	112	116	48	45	321
Government boats.....	10	11	5	5	31
Coal barges.....	5	9		3	17
Other barges.....	227	274	112	158	771
Rafts.....		14	11	2	27
Flats.....					
Small craft.....	113	147	30	21	311
Total.....	582	685	266	294	1,827

Lockages..... 653
 Trips through pass..... 241

Vessel classification, 1920—Continued.

LOCK NO. 21.

Kind of boat.	Through lock.		Through pass.		Total.
	Up.	Down.	Up.	Down.	
Passenger boats.....	54	54	37	37	182
Towboats.....	50	58	23	28	159
Government boats.....	11	11	6	15	43
Coal barges.....		2	19	26	49
Other barges.....	158	179	65	78	480
Rafts.....	1		1	2	4
Flats.....			23	63	86
Small craft.....	132	141	113	112	498
Total.....	406	445	287	363	1,501

Lockages..... 483
 Trips through pass..... 348

LOCK NO. 22.

Passenger boats.....	90	108	47	47	292
Towboats.....	122	124	44	59	359
Government boats.....	19	25	3	3	50
Coal barges.....	69	73	47	88	277
Coal boats.....	6	1	1	7	15
Other barges.....	83	144	11	71	309
Rafts.....	1	15	1	2	19
Flats.....	19	18		2	39
Small craft.....	2		2	1	5
Total.....	411	518	156	280	1,365

Lockages..... 386
 Trips through pass..... 178

LOCK NO. 24.

Passenger boats.....	37	44	45	37	163
Towboats.....	92	99	67	65	323
Government boats.....	7	10	7	7	31
Coal barges.....	20	20	30	11	81
Other barges.....	151	145	81	120	497
Rafts.....		17	13		30
Flats.....					
Small craft.....	79	147	39	76	341
Total.....	386	482	292	316	1,466

Lockages..... 410
 Trips through pass..... 306

LOCK NO. 26.

Passenger boats.....	38	37	78	78	231
Towboats.....	89	66	173	178	506
Government boats.....	10	8	13	12	43
Coal barges.....	644	414	1,317	1,529	3,904
Coal boats.....	17	34	8	13	72
Other barges.....	29	11	28	30	98
Flats.....	76	59	176	222	533
Small craft.....	57	64	47	63	231
Total.....	980	693	1,840	2,125	5,618

Lockages..... 369
 Trips through pass..... 509

Vessel classification, 1920—Continued.

LOCK NO. 28.

Kind of boat.	Through lock.		Through pass.		Total.
	Up.	Down.	Up.	Down.	
Passenger boats.....	68	73	159	156	456
Towboats.....	116	110	221	228	675
Government boats.....	6	9	15	13	43
Coal barges.....	846	904	1,964	2,247	5,981
Coal boats.....	8	16	6	8	22
Other barges.....	17	1	65	93	191
Rafts.....	1	1	39	40	81
Flats.....	197	159	227	249	832
Small craft.....	55	60	80	177	372
Total.....	1,313	1,332	2,737	3,210	8,592

Lockages.....	587
Trips through pass.....	993

LOCK NO. 29.

Passenger boats.....	71	82	131	124	408
Towboats.....	95	81	181	167	524
Government boats.....	5	4	12	11	32
Coal barges.....	802	685	1,883	1,929	5,299
Other barges.....	40	35	2	8	85
Rafts.....	1	90	346	437	884
Flats.....	134	110	183	169	596
Small craft.....	89	118	175	158	540
Total.....	1,237	1,205	2,567	2,912	7,921

Lockages.....	560
Trips through pass.....	890

LOCK NO. 31.

Passenger boats.....	40	28	201	202	471
Towboats.....	48	44	255	274	621
Government boats.....	9	11	36	35	91
Coal barges.....	382	233	2,369	2,657	5,641
Coal boats.....	6	6	6	12	18
Other barges.....	8	6	36	58	108
Rafts.....	1	1	7	8	16
Flats.....	86	101	380	406	973
Small craft.....	4	8	61	57	130
Total.....	577	431	3,345	3,708	8,061

Lockages.....	239
Trips through pass.....	933

LOCK NO. 35.

Passenger boats.....	86	92	261	254	693
Towboats.....	71	95	243	241	630
Government boats.....	17	18	38	41	114
Coal barges.....	689	683	2,018	2,097	5,487
Coal boats.....	2	2	6	6	16
Other barges.....	121	124	333	352	930
Rafts.....	1	1	13	14	28
Small craft.....	108	114	41	51	314
Total.....	1,094	1,109	2,940	3,055	8,198

Lockages.....	554
Trips through pass.....	1,064

Vessel classification, 1920—Continued.

LOCK NO. 37.

Kind of boat.	Through lock.		Through pass.		Total.
	Up.	Down.	Up.	Down.	
Passenger boats.....	66	70	243	245	624
Towboats.....	35	34	195	208	472
Government boats.....	14	20	45	44	123
Coal barges.....	138	115	854	959	2,066
Coal boats.....	2	4	14	15	35
Other barges.....	43	65	228	301	637
Rafts.....		2	1	6	9
Small craft.....	135	160	122	145	562
Total.....	433	470	1,702	1,923	4,528

Lockages..... 1,111
 Trips through pass..... 446

LOCK NO. 41.

Passenger boats.....	167	142	12	41	362
Towboats.....	322	322	18	23	685
Government boats.....	329	362	1		692
Coal barges.....	126	173	16	9	324
Other barges.....	415	499	8	10	932
Flats.....		6			6
Small craft.....	46	121	3	4	174
Total.....	1,405	1,625	58	87	3,175

Lockages..... 1,506
 Trips through pass..... 145

PITTSBURGH (PA.) DISTRICT.

MONONGAHELA RIVER, PA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892.....	4,163,304	(1)	(1)	1912.....	11,575,329	\$22,525,590	(1)
1893.....	4,142,644	(1)	(1)	1913.....	12,039,175	23,431,560	(1)
1894.....	4,918,089	(1)	(1)	1914.....	10,373,969	10,373,969	(1)
1895.....	4,555,703	(1)	(1)	1915.....	11,815,085	28,979,879	(1)
1896.....	5,989,159	(1)	(1)	1916.....	12,875,673	35,672,753	32,503
1908.....	9,667,229	(1)	(1)	1917.....	16,009,133	61,206,918	23,078
1909.....	11,486,278	(1)	(1)	1918.....	16,537,746	64,719,622	10,090
1910.....	10,927,430	(1)	(1)	1919.....	17,137,501	119,022,615	13,265
1911.....	10,747,041	(1)	(1)	1920.....	24,264,354	197,973,361	16,044

¹ No statistics available.

[Navigation season, 360 days.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		
	By commodities.		By classes.	By commodities.	By classes.
	Upbound.	Down-bound.			
Animals and animal products, except wool and hair: Mules.	5	20	25	\$7,500	\$7,500
Vegetable food products, expressed oils, and beverages: Farm products	5	.....	5	300	300
Wood and paper	.....	.....	28,878	.....	2,140,702
Kees	.....	11,813	.....	1,721,950	.....
Lumber	10,707	5,856	.....	392,712	.....
Piles	.....	162	.....	15,240	.....
Mine props	350	10	.....	7,200	.....
Railroad ties	180	.....	.....	3,600	.....
Nonmetallic minerals	.....	.....	23,631,179	.....	144,007,224
Brick	2,753	.....	.....	13,765	.....
Cement, Portland	1,296	20,395	.....	281,983	.....
Coal, bituminous	6,480	20,711,055	.....	136,735,731	.....
Coke	.....	398,712	.....	4,146,605	.....
Gasoline	6,205	.....	.....	558,450	.....
Gravel, screened	1,033,945	17,712	.....	1,051,657	.....
Gravel, rough	404,729	.....	.....	121,419	.....
Sand	658,789	334,224	.....	993,013	.....
Stone	.....	32,258	.....	97,774	.....
Sand glass, grinding	1,906	720	.....	6,827	.....
Ores, metals, and manufacture, except machinery and vehicles	.....	.....	535,617	.....	41,368,560
Steel billets	154,118	.....	.....	7,705,900	.....
Steel, structural	42,727	.....	.....	5,127,240	.....
Steel bars	.....	57,313	.....	6,876,560	.....
Steel skelp	.....	169,263	.....	8,463,150	.....
Steel black pipe	.....	35,000	.....	4,200,000	.....
Steel, miscellaneous finished material	.....	73,277	.....	8,793,240	.....
Steel plates	.....	86	.....	10,320	.....
Steel molds	.....	3,813	.....	192,150	.....
Machinery and vehicles	.....	.....	9,745	.....	1,730,200
Vessels, steamboats, steel	500	.....	.....	400,000	.....
Vessels, barges, steel	4,075	.....	.....	489,000	.....
Vessels, barges, wood	3,660	.....	.....	585,600	.....
Vessels, bulldozer	60	.....	.....	9,000	.....
Vessels, derrick boat	90	.....	.....	14,400	.....
Vessels, flats	468	.....	.....	74,880	.....
Vessels, floats	404	.....	.....	64,640	.....
Vessels, pump boat	72	.....	.....	11,520	.....
Vessels, scraper boat	66	.....	.....	10,560	.....
Contractor's plant	.....	350	.....	70,000	.....
Chemicals	.....	.....	18,470	.....	631,875
Acid, sulphuric	11,982	3,325	.....	612,800	.....
Tar	.....	3,163	.....	19,075	.....
Unclassified: Merchandise, general	27,214	13,221	40,435	8,087,000	8,087,000
Total	.....	.....	24,264,354	.....	197,973,361

Lockages made and traffic passed at Monongahela River locks.

At Dam—	Lockages.		Steamboats.		Coal boats, barges, flats, and boat bottoms.		Rafts.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.
	Number.	Number.	Number.	Number.	Number.	Number.	Number.	Number.
1.....	4,819	4,896	4,245	4,254	12,672	12,856		
2.....	5,598	5,626	4,106	4,100	16,171	16,223		4
3.....	8,037	8,253	5,069	5,011	26,236	26,242		3
4.....	7,469	7,668	4,744	4,742	23,012	23,032	3	4
5.....	5,303	5,467	3,442	3,457	14,880	14,818		3
6.....	3,140	3,248	2,066	2,054	8,098	8,029	1	3
7.....	1,841	1,330	477	471	1,053	1,038		1
8.....	348	351	178	179	207	199		3
9.....	268	267	211	205	312	288	1	3
10.....	41	43	14	12	14	15		1
11.....	34	39	10	11	26	21	1	2
12.....	50	52	9	9	20	18		
13.....	58	65	10	10	23	17	1	
14.....	79	84	8	8	30	27	1	
15.....	40	43	11	11	14	113	1	
Aggregate.....	36,625	37,432	24,600	24,534	102,768	102,836	9	27

At Dam—	Other craft.		Coal.		Coke.		Rails, steel.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.
	Number.	Number.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1.....	301	311	6,480	4,731,000		153,080	100	
2.....	571	358	14,780	9,923,628		57,916	120	1,300
3.....	220	203	32,000	19,657,480		81,230	150	15,870
4.....	4	441	77,280	17,134,088		95,549	125	27
5.....	172	142	1,880	12,901,000		437,029	80	20
6.....	295	308	800	7,508,086		76,215	333	30
7.....	104	103	172	379,396			2,570	20
8.....	66	70	12	62,508			95	20
9.....	64	68	208	108			65	20
10.....	34	49	32	124				
11.....	22	26	152	170				
12.....	44	46	156	160				
13.....	55	62	120	160				
14.....	66	78	32	184				
15.....	36	38	28					
Aggregate.....	2,331	2,302	134,132	72,303,090		901,059	3,638	17,306

At Dam—	Other iron or steel products.		Sand.		Gravel.	
	Up.	Down.	Up.	Down.	Up.	Down.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1.....	183,731	214,179	653,405	37,832	1,004,895	4,895
2.....	15,583	34,145	447,276	336,797	509,133	1,587
3.....	4,446	6,338	56,343	160,967	50,895	4,062
4.....	6,333	2,564	28,112	207	65,966	276
5.....	564	163	18,154	690	25,966	897
6.....	902	130	7,999		19,861	135
7.....	165	10	414		1,862	
8.....	105	10	414	54	1,862	88
9.....	123	10	24,779	518	21,852	
14.....	1	19				
Aggregate.....	211,953	307,568	1,236,896	537,165	1,702,292	11,940

Lockages made and traffic passed at Monongahela River locks—Continued.

At Dam—	Stone.		Brick.		Timber.		Lumber.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1.....			2,753		323	813	1,286	1,874
2.....	300	214	2,510		6,663	5,154	1,809	3,322
3.....	100	100	1,328		172	988	416	602
4.....	150	200	2,419		1,543	1,930	1,758	850
5.....	540	150			56	1,655	1,514	240
6.....	1,708	100	262		3,741	405	2,769	1,251
7.....	280	620				76	476	97
8.....					25	96	74	15
9.....					102	303	75	226
11.....					25	95	70	
12.....						70		
13.....					46		70	4
14.....					33			44
15.....					38			2
Aggregate.....	3,076	1,384	9,272		12,767	11,605	10,317	8,327

At Dam—	Gasoline.		Pit posts.		Mine braces.		Railroad ties.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1.....			350				180	180
2.....	6,205							
3.....			158	10				
5.....			50	100				
6.....			3,345	100			1,680	
7.....					100			
8.....					102			4,005
14.....				5				
Aggregate.....	6,205		3,903	215	202		1,860	4,185

At Dam—	Wood and cement.		General merchandise.		Farm, orchard, and dairy products.	
	Up.	Down.	Up.	Down.	Up.	Down.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1.....			33,063	42,353	5	
2.....			29,254	31,915	10	
3.....			13,203	13,221	11	
4.....			9,046	24,190	10	
5.....			4,117	137	5	
6.....	4,058		2,361	81	15	3
7.....	350		1,322	73	7	
8.....			1,279	80		
9.....			1,422	47		
10.....			1	3		
11.....			9			9
12.....			13	1		
13.....			3	1	2	2
14.....			7	7		3
15.....			5			
Aggregate.....	4,408		95,125	112,109	65	17

Lockages made and traffic passed at Monongahela River locks—Continued.

At Dam—	Live stock.				Total.		Passengers.	
	Large.		Small.		Up.	Down.	Up.	Down.
	Up.	Down.	Up.	Down.				
	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Number.</i>	<i>Number.</i>
1.....	4		1	19	1,886,596	5,186,225	8,047	7,997
2.....	19	1	1	20	1,033,663	10,450,999	2,998	3,078
3.....	20	1	1	19	156,243	19,940,888	1,500	1,284
4.....	18	1	1	19	192,761	17,259,959	667	809
5.....	13		2	19	52,941	13,342,100	216	157
6.....	12			19	49,944	7,586,555	627	616
7.....	11	1			7,731	380,293	172	147
8.....	5	1			3,871	66,877	222	216
9.....	7	1			48,633	1,033	232	217
10.....					33	127	61	78
11.....					256	274	76	75
12.....		1	1	1	170	233	94	85
13.....	1	1	1		243	169	138	161
14.....		3	1	2	74	267	116	127
15.....	1				72	2	49	57
Aggregate...	111	11	9	118	3,436,231	74,216,101	15,245	15,004

ALLEGHENY RIVER, IMPROVED PORTION, NATRONA TO THE MOUTH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912.....	1,815,219	\$4,396,460		1917.....	2,300,143	\$12,074,890	1,815
1913.....	2,133,056	5,283,491		1918.....	2,287,916	10,444,141	686
1914.....	1,838,590	4,191,216		1919.....	2,058,069	13,806,119	939
1915.....	1,899,654	5,066,148		1920.....	4,948,276	27,470,774	1,374
1916.....	2,373,336	10,340,548	3,975				

[Navigation season, 310 days.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		
	By commodities.		By classes.	By commodities.	By classes.
	Upbound.	Downbound.			
Wood and paper.....			13,093		\$1,799,370
Kegs.....	11,813			\$1,771,950	
Lumber.....	372	83		10,920	
Piles.....	425	200		12,500	
Railroad ties.....	200			4,000	
Nonmetallic minerals.....			4,759,991		15,091,523
Cement, Portland.....	2,950	2,515		71,045	
Clay products, sewer pipe.....	865			17,306	
Coal, bituminous.....	1,275,607	328,786		10,588,983	
Coke.....	3,675			38,220	
Gasoline.....	11,981	5,654		1,587,150	
Gravel, screened.....	51,904	1,355,618		1,407,522	
Gravel, rough.....		610,179		183,053	
Oil.....	338	80		18,810	
Sand.....	39,116	1,036,288		1,075,404	
Sand, glass grinding.....	34,235			102,705	
Stone.....	200			1,320	
Ores, metals, and manufactures, except machinery and vehicles.....			171,401		9,868,200
Steel billets.....		152,856		7,642,800	
Steel, miscellaneous.....	16,414	2,131		2,225,400	
Machinery and vehicles.....			972		155,720
Vessels, barges.....	432			69,120	
Flats.....		540		86,600	
Chemicals: Acid, sulphuric.....	44	5	49	1,960	1,960
Unclassified merchandise, general.....	1,204	1,566	2,770	554,000	554,000
Total.....			4,948,276		27,470,773

ALLEGHENY RIVER, OPEN-CHANNEL PORTION.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915.....	278,870	\$227,434	1918.....	148,132	\$350,402
1916.....	261,492	164,044	1919.....	53,377	259,067
1917.....	174,093	212,036	1920.....	135,924	572,434

[Navigation season, 270 days.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.		By classes.	By commodities.
	Upbound.	Down-bound.		
Nonmetallic minerals.....			134, 134	\$293, 034
Coal, bituminous.....	9, 400			\$63, 040
Gravel, screened.....	20, 098	40, 725		60, 823
Sand.....	11, 281			11, 281
Sand, glass grinding.....	52, 630			157, 890
Machinery and vehicles: Vessels, barges, wood.....		1, 740	1, 740	278, 400
Unclassified: Merchandise, general.....	50		50	1, 000
Total.....			135, 924	572, 434

Lockages made and traffic passed at Allegheny River locks.

Item.	Designation.	Lock 1.	Lock 2.	Lock 3.	Aggregate.
Lockages.....	Number.	4, 391	3, 217	760	8, 368
Steamboats.....	do.	4, 730	2, 557	352	7, 679
Coal boats, barges, and flats.....	do.	9, 803	8, 722	561	19, 116
Other craft.....	do.	318	416	613	1, 347
Aggregate.....		19, 242	14, 912	2, 356	36, 510
Acid.....	Tons.	49	30		79
Barges, new.....	do.		210	720	930
Cement.....	do.	5, 465	800	370	6, 635
Clay products.....	do.	865		95	960
Coal.....	do.	921, 900	152, 000	1, 367	1, 075, 267
Coke.....	do.	3, 675			3, 675
Gasoline.....	do.	17, 635			17, 635
Lumber.....	do.	1, 012, 205	529, 306	12, 587	1, 554, 098
Merchandise.....	do.	255	797	199	1, 251
Oil.....	do.	2, 770	8, 828	1, 237	12, 905
Pile.....	do.	80			80
Railroad ties.....	do.	625	429		1, 054
Sand.....	do.		200		200
Steel products.....	do.	725, 552	586, 211	15, 793	1, 327, 556
Stone.....	do.	17, 283	5, 575	5, 679	28, 537
Timber.....	do.	200	720		920
Aggregate.....		210		287	497
Passengers.....	Number.	2, 708, 789	1, 285, 206	38, 331	4, 032, 309
		645	1, 046	1, 374	3, 065

PITTSBURGH HARBOR, PA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1888.....	9, 000, 000	(1)	(1)	1910.....	12, 314, 664	(1)	(1)
1899.....	8, 813, 166	(1)	(1)	1911.....	12, 510, 776	(1)	(1)
1900.....	8, 111, 451	(1)	(1)	1912.....	12, 476, 323	\$25, 476, 323	(1)
1901.....	10, 916, 489	(1)	(1)	1913.....	13, 308, 796	27, 056, 709	(1)
1902.....	12, 252, 405	(1)	(1)	1914.....	11, 143, 390	23, 023, 701	(1)
1903.....	12, 240, 330	(1)	(1)	1915.....	12, 622, 955	28, 169, 463	(1)
1904.....	9, 373, 418	(1)	(1)	1916.....	12, 891, 390	38, 526, 822	756, 518
1905.....	12, 239, 020	(1)	(1)	1917.....	14, 689, 496	60, 885, 954	728, 867
1906.....	12, 927, 975	(1)	(1)	1918.....	15, 214, 588	70, 609, 271	513, 677
1907.....	11, 395, 816	(1)	(1)	1919.....	16, 403, 276	110, 001, 425	773, 890
1908.....	11, 454, 895	(1)	(1)	1920.....	23, 195, 643	204, 475, 674	880, 563
1909.....	12, 426, 154	(1)	(1)				

1 No statistics available.

[Navigation season: 365 days.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Upbound.	Down-bound.			
Animals and animal products, except wool and hair.....			188		\$75,200
Horses.....	54	22		\$30,400	
Mules.....	66	46		44,800	
Wood and paper.....			22,144		1,891,944
Kegs.....		11,813		1,771,950	
Lumber.....	850	3,231		97,944	
Pile.....		1,090		21,800	
Mine braces.....		10		260	
Nonmetallic minerals.....			22,588,009		138,304,665
Brick.....		188		940	
Cement, Portland.....		27,761		380,893	
Clay products, sewer pipe.....		115		2,300	
Coal, bituminous.....	1,765	20,083,891		132,565,329	
Coke.....		140,714		1,463,425	
Gasoline.....	12,280	5,752		1,622,880	
Gravel, screened.....	103,010	967,643		1,070,655	
Gravel, rough.....	101,406			30,421	
Sand.....	117,240	1,025,140		1,142,380	
Oil.....		1,004		45,180	
Stone.....		100		260	
Ores, metals, and manufactures of, except machinery and vehicles.....			585,660		45,820,720
Steel billets.....	154,118			7,705,900	
Steel bars.....		62,043		7,445,160	
Steel plates.....		5,308		626,640	
Steel, skelp.....		169,283		8,463,150	
Steel, structural.....		78,254		9,390,480	
Steel, black pipe.....	12,855	35,000		4,200,000	
Steel, miscellaneous finished material.....		64,977		7,797,240	
Steel molds.....		3,843		192,150	
Machinery and vehicles.....			11,196		2,069,600
Vessels, boats, steam, steel.....	582			465,600	
Vessels, barges, steel.....	4,075			489,000	
Vessels, barges, wood.....	3,780			604,800	
Vessels, bulldozer.....	60			9,600	
Vessels, flats.....	468			74,880	
Vessels, floats.....	404			64,640	
Vessels, pump boat.....	72			11,520	
Vessels, scraper boat.....	60			10,560	
Contractors' plant.....		1,695		339,000	
Chemicals.....			15,843		576,145
Acid, sulphuric.....	12,018			480,720	
Tar, coal.....		3,825		95,625	
Unclassified.....			78,687		15,737,400
Packet cargo.....	17,791	23,746		8,307,400	
Merchandise, miscellaneous.....	34,377	2,773		7,430,000	
Total.....			23,195,643		204,475,674

YOUGHIOGHENY RIVER.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1916.....	349,165	\$421,046	1919.....	227,775	\$1,314,949
1917.....	83,585	162,669	1920.....	271,070	1,505,710
1918.....	582,976	620,889			

[Navigation season: 330 days.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		
	By commodities.		By classes.	By commodities.	By classes.
	Upbound.	Down-bound.			
Nonmetallic minerals.....			270,995		\$1,490,710
Coal.....	217,654			\$1,436,516	
Gravel, screened.....	28,786			28,786	
Sand.....	24,022			24,022	
Stone.....	535			1,396	
Machinery and vehicles: Contractors' plant.....		75	75	15,000	15,000
Total.....			271,070		1,505,710

WHEELING, W. VA., DISTRICT.

LITTLE KANAWHA RIVER, W. VA.

Comparative statement of traffic.

Year.	Tons.	Value. ¹	Floated timber. ²		Passengers.
			Tons.	Value.	
1897.....	127,943				
1898.....	122,405				
1899.....	138,664				
1900.....	119,439				
1901.....	122,190				
1902.....	69,706				
1903.....	73,464				
1904.....	66,415				
1905.....	108,510				
1906.....	70,289				
1907.....	99,074				
1908.....	49,707				
1909.....	84,475	\$2,756,636			
1910.....	80,944	3,048,460			
1911.....	120,244	4,122,024			
1912.....	88,202	3,511,833			
1913.....	97,099	3,409,733			
1914.....	73,921	4,315,893			
1915.....	86,169	3,276,670			
1916.....	21,274	1,516,541	37,965	\$217,585	19,882
1917.....	12,639	1,348,803	28,210	222,870	3,910
1918.....	19,072	2,021,893	13,096	119,882	8,458
1919.....	22,286	3,647,387	15,970	377,536	8,822
1920.....	14,391	1,898,757	13,045	104,036	17,145

¹ Value not available prior to 1909.² Separation of floated timber not made for years previous to 1916.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

[Exterior: Traffic originating or delivered at points beyond the Little Kanawha River.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.							
Animals and animal products, except wool and hair.....			25		\$2,745	Miles.	Cents.
Cattle.....		4		\$880		35	0.11
Horses and mules.....		4		1,440		35	.20
Fertilizer.....		17		425		35	.11
Vegetable food products, oil seeds, expressed oils, and beverages.....			2,343		310,648		
Flour.....		409		53,170		35	.11
Groceries.....		1,116		223,200		35	.11
Grain.....		510		25,500		35	.11
Hay.....		308		8,778		40	.20
Textiles: Dry goods.....		78	78	76,000	76,000	40	.10
Wood and paper.....			354		24,080		
Furniture.....		154		18,480		40	.15
Lumber.....		200		5,600		35	.057
Nonmetallic minerals.....			2,477		30,697		
Oil.....		472		18,660		25	.16
Gasoline.....		85		5,270		40	.10
Brick.....	48			288		35	.11
Cement.....		278		3,225		40	.10
Sand and gravel.....	1,179			884		20	.05
Salt.....		71		994		35	.11
Coal.....	344			1,376		35	.11
Ores, metals, and manufactures of, except machinery and vehicles.....			3,431		653,700		
Hardware.....		325		32,500		35	.11
Oil-well supplies.....		3,106		621,200		40	.05
Unclassified: Miscellaneous.....		544	544	81,600	81,600	35	.11
Total.....	1,571	7,681	9,252		1,179,470		
DOWNSTREAM.							
Animals and animal products, except wool and hair.....			37		8,700		
Cattle.....		33		7,260		35	.11
Horses and mules.....		4		1,440		35	.20
Vegetable food products, oil seeds, expressed oils, and beverages.....			91		3,819		
Grain.....		57		2,850		35	.11
Hay.....		34		969		40	.20
Wood and paper.....			58		3,357		
Furniture.....		19		2,280		40	.15
Shooks.....		5		125		35	.071
Lumber.....		34		952		35	.057
Nonmetallic minerals: Gasoline.....		128	128	7,936	7,936	40	.10
Ores, metals, and manufactures of, except machinery and vehicles.....							
Oil-well supplies.....		123	123	24,600	24,600	40	.05
Unclassified: Miscellaneous.....		363	363	54,450	54,450	35	.11
Total.....		800	800		102,862		
Total upstream and downstream.....	1,571	8,481	10,052		1,282,332		

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

[Interior: Traffic within Little Kanawha River.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.							
Animals and animal products, except wool and hair.....			7		\$2,100	Miles.	Cents.
Cattle.....		3		\$660		35	0.11
Horses and mules.....		4		1,440		35	.20
Vegetable food products, oil seeds, expressed oils, and beverages.....			818		34,278		
Grain.....		510		25,500		35	.11
Hay.....		308		8,778		35	.20
Ores, metals, and manufactures of, except machinery and vehicles:							
Oil-well supplies.....		1,559	1,559	311,800	311,800	40	.05
Unclassified: Miscellaneous.....		544	544	81,600	81,600	35	.11
Total.....		2,928	2,928		429,778		
DOWNSTREAM.							
Animals and animal products, except wool and hair.....			133		53,470		
Cattle.....		33		7,290		35	.11
Horses and mules.....		4		1,440		35	.20
Hogs.....		17		5,270		25	.25
Poultry.....		79		39,500		35	.14
Vegetable food products, oil seeds, expressed oils, and beverages.....			405		41,569		
Grain.....		56		2,800		35	.11
Farm products.....		315		37,800		35	.11
Hay.....		34		969		40	.20
Wood and paper.....			13,303		108,270		
Railroad ties.....	1,295			10,036		35	.071
Mine props.....		206		1,030		20	.15
Furniture.....		19		2,280		35	.143
Lumber.....		33		924		35	.057
Sawlogs.....	11,750			94,000		35	.071
Nonmetallic minerals: Gasoline.....		127	127	7,874	7,874	40	.10
Ores, metals, and manufactures of, except machinery and vehicles:							
Oil-well supplies.....		128	128	25,200	25,200	40	.05
Unclassified: Miscellaneous.....		392	392	54,300	54,300	35	.11
Total.....	13,045	1,411	14,456		290,683		
Total upstream and downstream.....	13,045	4,339	17,384		720,461		

¹ Floated.

Freight traffic, 1920—Continued.

SUMMARY.

Classes and commodities.	Exterior.				Interior.				Total.	
	Upstream.		Downstream.		Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	25	\$2,745	37	\$8,700	7	\$2,100	133	\$53,470	202	\$67,015
Vegetable food products, oil seeds, expressed oils, and beverages.....	2,343	310,648	91	3,819	818	34,278	405	41,569	3,657	390,314
Textiles.....	78	76,000							78	76,000
Wood and paper.....	354	24,080	53	3,232			13,303	108,270	13,710	135,582
Nonmetallic minerals.....	2,477	30,697	128	7,936			127	7,874	2,732	46,507
Ores, metals, and manufactures, except machinery and vehicles.....	3,431	653,700	128	24,725	1,559	311,800	126	25,200	5,244	1,015,425
Unclassified.....	544	81,600	363	54,460	544	81,600	362	54,300	1,813	271,950
Total.....	9,262	1,179,470	800	102,862	2,928	429,778	14,456	1290,683	27,436	2,002,793

¹ Includes floated timber as follows: 1,295 tons of railroad ties, valued at \$10,036, and 11,750 tons of saw logs, valued at \$94,000.

KANAWHA RIVER, W. VA.

Comparative statement of traffic.

Year.	Tons.	Value. ¹	Floated timber. ²		Passengers.
			Tons. ¹	Value.	
1897.....	832,002				
1898.....	1,244,334				
1899.....	1,124,364				
1900.....	1,475,930				
1901.....	1,547,610				
1902.....	1,090,797				
1903.....	1,506,043				
1904.....	1,233,153	\$7,899,233			
1905.....	1,613,389	6,865,521			
1906.....	1,327,703	9,776,604			
1907.....	1,709,013	8,574,824			
1908.....	1,035,401	4,243,619			
1909.....	1,122,102	3,725,802			
1910.....	1,295,930	5,096,463			
1911.....	1,392,788	4,512,758			
1912.....	1,319,154	4,584,459			
1913.....	1,416,404	6,277,149			
1914.....	1,138,772	4,693,203			
1915.....	1,351,002	3,706,569			
1916.....	1,511,071	4,179,350	2,756	\$18,503	19,118
1917.....	1,605,315	11,057,084	180	1,420	9,113
1918.....	1,276,192	10,639,859	679	5,329	8,115
1919.....	892,253	12,138,677	312	7,488	2,267
1920.....	1,451,084	9,304,983	273	2,138	1,105

¹ Value not available prior to 1904.

² Separation of floated timber not made for years previous to 1916.

[Navigation season: Jan. 1 to Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

[Exterior: Traffic originating or delivered at points beyond the Kanawha River.]

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.							
Animals and animal products except wool and hair.....			93		\$27, 220	Miles.	Cents.
Cattle.....		29		\$6, 380		20	\$0.1363
Horses and mules.....		20		7, 200		40	.181
Hogs.....		44		13, 640		35	.181
Vegetable food products, oil seeds, expressed oils, and beverages:							
Groceries.....		926	926	185, 200	185, 200	200	.09
Textiles: Dry goods.....		306	306	306, 000	306, 000	180	.145
Wood and paper.....			365		23, 100		
Furniture.....		140		16, 800		40	.454
Lumber.....		225		6, 300		20	.045
Nonmetallic minerals.....			104, 899		78, 761		
Bricks.....	9			54		18	.043
Sand and gravel.....	104, 887			78, 665		50	.023
Salt.....		3		42		20	.046
Ores, metals and manufactures of, except machinery and vehicles.....			917		118, 400		
Hardware.....		650		65, 000		150	.072
Oil well supplies.....		267		53, 400		300	.072
Chemicals: Paint.....		75	75	13, 500	13, 500	280	.072
Unclassified: Miscellaneous.....		5, 726	5, 726	858, 900	858, 900	180	.127
Total.....	104, 896	8, 411	113, 307		1, 611, 081		
DOWNSTREAM.							
Animals and animal products except wool and hair.....			273		70, 640		
Cattle.....		193		42, 500		25	.1363
Horses and mules.....		16		5, 760		20	.181
Hogs.....		23		7, 130		20	.181
Poultry.....		20		10, 000		20	.227
Sheep.....		21		5, 250		20	.151
Vegetable food products, oil seeds, expressed oils, and beverages:			272		12, 955		
Farm products.....		16		1, 920		280	.09
Grain.....		174		8, 700		200	.072
Hay.....		82		2, 335		250	.09
Wood and paper.....			423		13, 240		
Furniture.....		75		9, 000		25	.454
Lumber.....		74		2, 072		20	.045
Railroad ties ¹	183			1, 418		30	.036
Saw logs ¹	90			720		35	.071
Staves.....		1		30			
Nonmetallic minerals: Coal.....	1, 322, 700		1, 322, 700	5, 290, 800	5, 290, 800		
Ores, metals and manufactures of, except machinery and vehicles:							
Hardware.....		5	5	500	500	30	.072
Chemicals: Paint.....		24	24	4, 320	4, 320	40	.072
Unclassified: Miscellaneous.....		5, 500	5, 500	825, 000	825, 000	150	.127
Total.....	1, 322, 973	6, 224	1, 329, 197	6, 217, 455	6, 217, 455		
Total upstream and downstream.....	1, 427, 869	14, 644	1, 442, 504	7, 828, 536	7, 828, 536		

¹ Floated.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

[Interior: Traffic within Kanawha River.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.							
Animals and animal products, except wool and hair.....			495		\$127,260	Miles.	Cents.
Cattle.....		322		\$70,800		40	\$0.1363
Horses and mules.....		75		27,000		50	.181
Hogs.....		66		20,460		40	.181
Poultry.....		4		2,000		30	.327
Sheep.....		28		7,000		40	.151
Vegetable food products, oil seeds, expressed oils and beverages.....			628		49,960		
Farm products.....		333		39,960		40	.09
Grain.....		74		3,700		40	.072
Hay.....		221		6,300		40	.09
Wood and paper: Furniture.....		15	15	1,800	1,800	25	.454
Ores, metals and manufactures of, except machinery and vehicles:							
Hardware.....		113	113	11,300	11,300	30	.072
Unclassified: Miscellaneous.....		2,766	2,766	414,900	414,900	30	.127
Total.....		4,017	4,017		605,220		
DOWNSTREAM.							
Animals and animal products except wool and hair.....			41		14,620		
Cattle.....		1		220		20	.1363
Horses and mules.....		40		14,400		20	.181
Vegetable, food products, oil seeds, expressed oils, and beverages:							
Groceries.....		1,051	1,051	210,200	210,200	30	.09
Textiles: Dry goods.....		136	136	136,000	136,000	30	.146
Wood and paper.....			244		25,415		
Furniture.....		202		24,240		30	.454
Lumber.....		41		1,148		30	.045
Lath and shingles.....		1		19		20	.120
				8		20	.181
Nonmetallic minerals.....			6		60		
Brick.....	3			18		15	.0436
Salt.....		3		42		35	.045
Ores, metals and manufactures, except machinery and vehicles.....			493		56,300		
Hardware.....		423		42,300		35	.072
Oil-well supplies.....		70		14,000		30	.072
Chemicals: Paint.....		34	34	6,120	6,120	25	.072
Unclassified: Miscellaneous.....		2,831	2,831	424,650	424,650	30	.127
Total.....	3	4,833	4,836		873,365		
Total upstream and downstream.....	3	8,850	8,853		1,478,585		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of com- modities.	Exterior.				Interior. /				Total.	
	Upstream.		Downstream.		Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	93	\$27,220	273	\$70,640	495	\$127,260	41	\$14,620	902	\$239,740
Vegetable food products, oil seeds, expressed oils and beverages.....	928	185,200	272	12,955	628	49,960	1,051	210,200	2,877	458,315
Textiles.....	306	306,000					136	136,000	442	442,000
Wood and paper.....	365	23,100	423	13,240	15	1,800	244	25,415	1,037	63,555
Nonmetallic minerals.....	104,899	78,761	1,322,700	5,290,800			6	60	1,427,606	5,369,621
Ores, metals and manufactures of, except machinery and vehicles..	917	118,400	5	500	113	11,300	493	56,300	1,528	186,500
Chemicals.....	75	13,500	24	4,320			34	6,120	133	23,940
Unclassified.....	5,726	858,900	5,500	825,000	2,766	414,900	2,831	424,650	16,823	2,523,450
Total.....	113,307	1,611,081	1,329,197	6,217,455	4,017	605,220	4,836	573,365	1,451,347	9,307,121

¹ Includes floated timber as follows; Railroad ties in the amount of 183 tons, valued at \$1,418, and saw logs in the amount of 90 tons, valued at \$720.

SECOND CINCINNATI, OHIO, DISTRICT.

MUSKINGUM RIVER, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892.....	51,457	(1)	55,536	1907.....	78,600	2,470,000	78,600
1893.....	80,186	(1)	49,160	1908.....	54,000	1,900,000	60,000
1894.....	28,974	(1)	49,892	1909.....	159,246	3,400,000	44,000
1895.....	86,795	\$2,360,150	38,267	1910.....	58,906	2,745,000	35,153
1896.....	59,597	2,302,519	42,470	1911.....	63,250	2,644,150	37,288
1897.....	65,473	3,224,933	72,512	1912.....	66,214	3,219,764	45,214
1898.....	83,077	3,410,298	68,056	1913.....	61,755	1,294,080	45,213
1899.....	70,206	4,000,000	100,756	1914.....	61,733	1,081,747	26,582
1900.....	78,595	4,200,000	116,599	1915.....	114,632	1,053,615	30,739
1901.....	81,608	4,500,000	77,580	1916.....	127,277	1,217,412	19,993
1902.....	84,632	4,650,000	86,651	1917.....	92,426	858,278	7,360
1903.....	55,280	3,100,000	73,000	1918.....	89,182	1,356,898	16,803
1904.....	60,146	3,250,000	74,000	1919.....	78,638	1,183,258	5,180
1905.....	80,000	3,900,000	83,686	1920.....	79,838	1,011,822	2,734
1906.....	80,000	3,900,000	64,863				

¹ No statistics available.

[Navigation season: Mar. 1 to Dec. 31, 1920, with the following exceptions: Navigation suspended through Lock No. 3, up to June 13, account of failure of a section of Dam No. 3.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.							
Animals and animal products, except wool and hair.....					\$9,845	Miles.	
Eggs.....		1		\$500		50	\$0.20
Cattle.....	17			4,005		45	.14
Horses and mules.....	12			4,800		75	.15
Poultry.....				540		50	.20
Vegetable food products.....			133		16,418		
Apples.....		46		1,328		75	.06
Feed.....		6		174		40	.07
Flour.....		13		1,560		35	.115
Grain.....		17		1,048		35	.10
Hay and straw.....		2		58		55	.11
Vegetables, canned.....		49		12,250		75	.07
Other vegetable products: Tobacco.....		4	4	2,520	2,520	48	.15
Wood and paper: Lumber.....	88	42	130	3,120	3,120	35	.09
Nonmetallic minerals.....			69,685		81,525		
Cement.....		64		832		20	.10
Coal.....	1,078			7,114		40	.08
Petroleum.....		84		3,780		60	.105
Salt.....		7		112		35	.15
Sand and gravel.....	67,680			67,680		5	.03
Stone.....	\$ 772			2,007		15	.035
Ores, metals, and manufactures of:							
Iron, manufactured.....		113	113	22,600	22,600	75	.10
Machinery and vehicles: Machinery.....		120	120	24,000	24,000	58	.105
Unclassified.....			1,223		244,200		
Household goods.....		46		9,200		60	.14
Miscellaneous merchandise.....		1,177		235,000		45	.12
Total.....	69,647	1,791	71,438		404,228		
DOWNBOUND.							
Animals and animal products, except wool and hair.....			411		123,887		
Cattle.....	317			76,237		45	.14
Eggs.....		57		28,500		50	.20
Furs.....		1		690		45	.20
Horses and mules.....	7			2,800		75	.15
Poultry.....		29		15,660		50	.20
Vegetable food products.....			397		73,256		
Apples.....		3		84		75	.06
Feed.....		1		29		40	.07
Flour.....		20		2,400		35	.115
Grain.....		6		370		35	.10
Hay and straw.....		37		1,073		55	.11
Potatoes.....		114		17,100		40	.06
Sugar.....		36		7,200		50	.08
Vegetables, canned.....		180		45,000		30	.10
Wood and paper.....			514		12,336		
Lumber.....	124	18		3,408		35	.09
Timber (rafts).....	\$ 372			8,928		15	.06
Nonmetallic minerals.....			5,218		26,115		
Bricks.....	42			269		27	.10
Cement.....		4		52		27	.10
Coal.....	3,498			23,087		18	.06
Petroleum.....		12		510		40	.105
Sand and gravel.....	1,330			1,330		14	.03
Stone.....	\$ 332			637		14	.035
Ores, metals, and manufactures of:							
Iron, manufactured.....		404	404	80,800	80,800	75	.10
Machinery and vehicles: Machinery.....		450	450	90,000	90,000	58	.12
Unclassified.....			1,006		201,200		
Household goods.....		41		8,200		50	.15
Miscellaneous merchandise.....		965		193,000		50	.13
Total.....	6,022	2,378	8,400		607,594		

1 9,405 tons Government material.

2 Government material.

3 Floated timber.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

	Tons.	Value.
Total upbound.....	71,438	\$404,228
Total downbound.....	8,400	607,504
Total.....	79,838	1,011,822

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	441	\$133,732
Vegetable food products.....	530	89,674
Other vegetable products, except fibers and wood.....	4	2,520
Wood and paper.....	644	15,456
Nonmetallic minerals.....	74,903	107,640
Ores, metals and manufactures, except machinery and vehicles.....	517	103,400
Machinery and vehicles.....	570	114,000
Unclassified.....	2,229	445,400
Total.....	79,838	1,011,822

Vessel classification, 1920.

Class.	Number.	Passen- gers.
Steamers:		
Packets.....	1	1,278
Towboats.....	2	
Gasoline and oil:		
Towboats.....	9	
Launches.....	48	1,120
Barges and flats.....	41	
Rafts.....	2	
Miscellaneous craft.....	72	336
Total.....	175	2,734

BIG SANDY RIVER, W. VA. AND KY.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1883.....	173,684	\$2,418,590	(*)	1902.....	350,935	\$4,914,176	412
1884.....	179,792	3,357,980	(*)	1903.....	290,401	3,770,060	1,008
1885.....	220,189	2,989,000	(*)	1904.....	152,077	2,432,150	234
1886.....	268,000	3,132,993	(*)	1905.....	148,623	2,377,968	93
1887.....	271,000	3,161,365	(*)	1906.....	205,901	2,676,130	449
1888.....	291,232	2,156,203	(*)	1907.....	194,634	2,724,876	619
1889.....	226,681	2,490,047	937	1908.....	116,448	1,513,824	822
1890.....	318,582	1,000,000	1,874	1909.....	147,725	2,539,444	10,118
1891.....	277,303	1,200,000	900	1910.....	185,534	3,285,637	3,404
1892.....	455,926	1,000,000	(*)	1911.....	181,770	1,436,375	1,934
1893.....	466,722	1,000,000	(*)	1912.....	188,743	1,796,634	1,310
1894.....	297,800	1,000,000	(*)	1913.....	172,403	1,669,205	332
1895.....	545,910	1,000,000	(*)	1914.....	175,758	1,692,265	4,373
1896.....	471,382	1,000,000	(*)	1915.....	152,139	1,520,601	11,190
1897.....	414,500	1,000,000	(*)	1916.....	89,874	882,471	592
1898.....	417,400	1,000,000	(*)	1917.....	88,344	1,404,926	522
1899.....	345,778	1,000,000	(*)	1918.....	77,231	1,212,585	(*)
1900.....	300,000	2,000,130	(*)	1919.....	111,012	2,580,723	8
1901.....	349,862	4,080,273	4,752	1920.....	66,159	1,612,170	(*)

* Estimated

* No record.

[Navigation season, Jan. 1 to Dec. 31, 1920, with the following exceptions: Navigation suspended at Lock No. 3, from July 13 to Sept. 20, because of repairs to pass sill.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.							
Wood and paper: Lumber.....		27	27	\$648	\$648	Miles. 10	\$0.10
Machinery and vehicles: Machinery.....		120	120	24,000	24,000	40	.10
Unclassified: Miscellaneous merchandise.....		181	131	26,200	26,200	35	.04
Total.....		278	278		50,848		
DOWNBOUND.							
Animals and animal products, except wool and hair: Live stock.....	5		5	1,450	1,450	36	.14
Vegetable food products: Grain.....		8	8	560	560	35	.10
Wood and paper.....			65,637		1,526,324		
Crossties.....	2,650			21,200		50	.0055
Lumber.....	208			4,992		35	.09
Telegraph poles.....	584			7,452		50	.0022
Timber.....	62,195			1,492,680		96	.0022
Nonmetallic minerals.....			67		5,113		
Coal.....		11		73		20	.0055
Gasoline.....	56			5,040		3	.0033
Ores, metals, and manufactures of: Iron scrap.....	26		26	275	275	50	.0044
Machinery and vehicles: Machinery.....	29		29	5,800	5,800	30	.105
Unclassified: Miscellaneous merchandise.....	109		109	21,800	21,800	35	.044
Total.....	65,862	19	65,881		1,561,322		

SUMMARY.

Classes of commodities.	Internal.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	5	\$1,450
Vegetable food products.....	8	560
Wood and paper.....	65,664	1,526,972
Nonmetallic minerals.....	67	5,113
Ores, metals and manufactures, except machinery and vehicles.....	26	275
Machinery and vehicles.....	149	29,800
Unclassified.....	240	48,000
Total.....	66,159	1,612,170

Vessel classification, 1920.

Gasoline and oil:	
Towboats.....	323
Launches.....	63
Barges and flats.....	93
Rafts.....	806
Miscellaneous craft.....	78
Total.....	1,363

KENTUCKY RIVER, KY.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1883.....	91,487	¹ \$700,000	2,719	1902.....	⁴ 267,200	¹ \$2,500,000	⁴ 11,951
1884.....	265,750	5,013,142	9,783	1903.....	⁴ 377,823	¹ 3,200,000	⁴ 17,071
1885.....	213,960	5,358,446	16,447	1904.....	⁴ 350,288	¹ 3,200,000	⁴ 14,591
1886.....	132,576	1,045,834	1,590	1905.....	⁴ 332,265	¹ 3,170,000	⁴ 18,547
1887.....	144,577	9,375,000	18,557	1906.....	⁴ 311,478	¹ 3,000,000	⁴ 19,251
1888.....	261,067	2,706,733	2,150	1907.....	⁴ 420,486	¹ 4,000,000	⁴ 17,374
1889.....	435,595	¹ 4,000,000	1,685	1908.....	⁴ 322,122	¹ 3,000,000	⁴ 16,617
1890.....	² 323,215	³ 3,000,000	¹ 1,995	1909.....	263,785	2,097,077	9,322
1891.....	² 389,219	³ 3,500,000	² 2,023	1910.....	254,721	1,921,581	9,842
1892.....	² 431,846	³ 4,000,000	² 3,172	1911.....	209,249	2,638,880	18,622
1893.....	² 330,449	³ 3,800,000	² 3,176	1912.....	186,269	2,219,637	30,555
1894.....	² 250,817	³ 2,700,000	² 3,055	1913.....	211,794	2,307,047	⁴ 7,074
1895.....	² 296,318	³ 2,900,000	² 2,841	1914.....	204,696	2,355,261	⁴ 7,604
1896.....	² 269,386	³ 3,100,000	² 2,082	1915.....	208,766	2,634,328	38,403
1897.....	⁴ 317,727	³ 3,000,000	20,000	1916.....	177,191	2,386,360	35,826
1898.....	⁴ 174,534	³ 2,000,000	² 20,481	1917.....	148,981	3,470,986	23,965
1899.....	⁴ 260,471	³ 2,500,000	⁴ 16,127	1918.....	123,939	2,303,244	3,671
1900.....	⁴ 264,019	³ 2,500,000	⁴ 15,883	1919.....	160,752	4,001,987	16,430
1901.....	⁴ 217,000	³ 2,200,000	⁴ 12,746	1920.....	218,484	3,573,684	29,100

¹ Estimated value.² Given in tons; number unknown.³ Total 5 original locks.⁴ Total upper and lower locks, only.

Freight traffic, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPROUND.							
Animals and animal products.			11		\$3,105.00	Miles.	
Cattle.....		7		\$1,505.00		25	\$0.0615
Horses and mules.....		4		1,600.00		42	.0615
Vegetable food products.			2,784		233,263.00		
Apples.....		14		580.00		42	.0265
Beans.....		23		4,140.00		42	.0307
Canned vegetables.....		317		38,040.80		42	.0307
Canned fruits.....		67		13,400.00		42	.0307
Corn.....		313		17,215.00		42	.0265
Feed.....		36		720.00		42	.0265
Flour.....		764		91,680.00		42	.0307
Hay.....		778		22,562.00		50	.0230
Meal.....		15		540.00		42	.0307
Oats.....		78		2,886.00		42	.0265
Potatoes.....		98		1,900.00		42	.0265
Sugar.....		281		56,200.00		42	.0307
Other vegetable products.			32		20,160.00		
Tobacco.....		32		20,160.00		15	.0240
Mineral products.			15,233		224,244.00		
Calcite.....		1,610		56,340.00		8	.0062
Coal.....	4,650			30,640.00		30	.0040
Cement.....		621		8,073.00		210	.0265
Fluor spar.....		725		32,625.00		12	.0062
Gasoline.....		611		54,990.00		240	.0146
Lime.....		10		220.00		42	.0265
Oil, refined.....		700		31,540.00		240	.0146
Sand.....	6,074			6,074.00		5	.0034
Salt.....		232		3,712.00		42	.0265
Other products.			1,398		220,304.00		
Iron and steel.....		94		11,280.00		42	.0307
Lumber.....		261		6,264.00		42	.0153
Ties, railroad.....	170			1,360.00		15	.0015
Timber.....	75			1,800.00		25	.0015
Unclassified.....		998		199,600.00		40	.0307
Total.....	10,969	8,689	19,658		721,066.00		

Freight traffic, 1920—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND.							
Animals and animal products.			467		\$134,430.00	Miles.	
Cattle.....		218		\$16,870.00		42	\$0.0615
Hogs.....		150		55,050.00		42	.0615
Horses and mules.....		26		10,400.00		42	.0615
Sheep.....		43		7,310.00		42	.0615
Eggs.....		10		4,000.00		42	.0307
Poultry.....		20		10,800.00		42	.0307
Vegetable food products.			53		4,890.00		
Corn.....		30		1,650.00		42	.0265
Flour.....		5		600.00		15	.0307
Sugar.....		10		2,000.00		15	.0307
Wheat.....		8		640.00		42	.0265
Other vegetable products: Tobacco.		573	573	360,990.00	360,990.00	33	.0230
Mineral products.			113,519		1,125,327.60		
Cement.....		55		715.00		12	.0265
Coal.....	68,986			455,307.60		217	.0040
Calcite.....	478			16,730.00		78	.0062
Fluor spar.....	518			23,310.00		78	.0062
Oil, crude.....	58,384			613,032.00		94	.0057
Salt.....		1		16.00		12	.0265
Sand.....	11,397			14,397.00		3	.0034
Stone.....	700			1,820.00		118	.0040
Other products.			44,214		1,226,980.00		
Iron and steel.....		63		7,560.00		29	.0307
Floated timber (rafts of logs).....	41,966			1,007,184.00		155	.0015
Lumber.....	1,034			21,816.00		65	.0153
Posts, fence.....	230			3,220.00		85	.0153
Unclassified.....		921		184,200.00		34	.0307
Total downbound.....	186,663	2,133	188,826		2,852,617.60		
Total upbound and downbound.....	197,662	10,822	208,484		3,573,683.60		

Number of passengers: Upbound, 14,440; downbound, 29,100.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	478	\$137,535.00
Vegetable food products.....	2,837	258,153.00
Other vegetable products, except fibers and wood.....	605	381,150.00
Wood and paper.....	43,736	1,044,644.00
Nonmetallic minerals.....	158,752	1,349,561.60
Ores, metals and manufactures, except machinery and vehicles.....	157	18,840.00
Unclassified.....	1,919	383,800.00
Total.....	208,484	3,573,683.60

Vessel classification, 1920.

Class.	Number.	Passengers.
Steamers:		
Packets.....	1	152
Towboats.....	8	43
Gasoline:		
Packets.....	3	27,296
Towboats.....	46	314
Launches.....	65	987
Barges and flats.....	538	
Rafts.....	857	
Miscellaneous.....	756	308
Total.....	2,274	29,100

LOUISVILLE, KY., DISTRICT.

LOCK AND DAM AT GRAND RAPIDS, WABASH RIVER.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1910.....	1,075	(¹)	86	1916.....	676	\$24,133	263
1911.....	2,063	(¹)	1,160	1917.....	346	20,076	422
1912.....	2,010	(¹)	768	1918.....	202	12,275	69
1913.....	1,252	\$25,910	589	1919.....	267	14,381	230
1914.....	187	9,381	834	1920.....	308	18,907	103
1915.....	452	17,518	609				

¹ No statistics available.*Traffic passing the lock at Grand Rapids, Wabash River, during the calendar year 1920.*

Kind of craft.	Number.	Net registered tonnage.
Passenger boats.....	58	258
Towboats.....	166	1,015
Barges.....	30	1,300
Dredges.....	2	100
Small craft.....	102	279
Rafts.....	6	83
Total.....	364	3,035
Lockages.....	237	

Commerce passing the lock at Grand Rapids, Wabash River, during the calendar year 1920.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.		By commodities.	By classes.
	Bulk.	Package.		
Animals and animal products, except wool and hair: Shells (unmanufactured).....	114		114	\$5,700
Wood and paper: Lumber.....		106	106	2,544
Nonmetallic minerals.....			35	63
Coal (bituminous).....	5			33
Gravel.....	30			30
Unclassified.....		53	53	10,600
Total.....	149	159	308	18,907

GREEN AND BARREN RIVERS, KY.

Comparative statement of traffic.

Statements of commerce on Green and Barren Rivers have been given in former reports as being that which passed Lock No. 1, Green River. Recent developments of the oil fields in the vicinity of Bowling Green, at the head of navigation on Barren River, and the shipments of large quantities of rock asphalt from Nolin River by way of upper Green and Barren Rivers to Bowling Green, have brought about a material change in conditions so that the amount of commerce passing Lock 1, Green River, is no longer a measure of the commerce on Green and Barren Rivers. A statement of the total commerce of these rivers is given below:

Year.	Short tons.	Floated logs.	Value.	Passengers.
1914.....	188,155	167,087	\$5,293,153.00	14,287
1915.....	150,483	71,316	4,559,131.00	16,526
1916.....	179,389	35,902	4,418,921.00	21,326
1917.....	257,083	26,772	6,398,272.00	18,410
1918.....	173,833	19,676	5,351,949.15	13,097
1919.....	167,603	9,494	7,465,613.20	13,899
1920.....	203,992	15,000	6,462,209.50	20,383

Commerce of Green and Barren Rivers, 1920.

[Compiled from reports of commerce passing locks. Articles are entered only once whether they passed one or more locks.]

Classes and commodities.	Amount in short tons.			Value.	
	By commodities..		Floated logs.	By commodities.	By classes.
	Bulk.	Package.			
Animals and animal products, except wool and hair.....					
Cattle.....	1,412			2,979	\$881,269.00
Hogs and sheep.....	1,497			\$303,580.00	
Horses and mules.....	69			549,399.00	
Hides.....		1		27,600.00	
Vegetable food products, oilseeds, expressed oils, and beverages.....				690.00	
Corn.....		314		1,414	113,972.00
Wheat.....		5		17,270.00	
Flour.....		640		400.00	
Hay.....		418		76,800.00	
Sugar.....		36		12,122.00	
Molasses.....		1		7,200.00	
Other vegetable products, except fibers and wool: Tobacco.....		340		180.00	
Wood and paper.....				214,200.00	214,200.00
Logs.....	2,977		15,000	69,464	894,080.00
Railroad ties.....	48,435			431,448.00	
Lumber.....		2,891		387,480.00	
Shingles.....		57		69,384.00	
Staves.....		52		2,240.00	
Handles.....		2		1,768.00	
Hoop poles.....		50		120.00	
Nonmetallic minerals.....				1,600.00	
Coal.....	50,872			127,615	946,128.50
Oils.....		1,397		336,755.20	
Rock asphalt.....	59,027			62,865.00	
Building stone.....	14,428			501,729.50	
Sand and gravel.....	1,419			37,512.80	
Cement, Portland.....		235		1,419.00	
Salt.....		237		3,055.00	
Machinery and vehicles: Iron, manufactured.....		293		3,792.00	
Unclassified.....		16,887		293	35,160.00
				16,887	3,377,400.00
Total.....	180,136	23,856	15,000	218,992	6,462,209.50

Comparative statement of traffic passing Lock No. 1, Green River.

Year.	Tons.	Floated logs (tons).	Total value.	Passengers.
1914	169,852	141,688	\$4,399,929	10,800
1915	118,652	71,316	4,125,972	13,188
1916	158,356	24,315	4,119,615	17,922
1917	235,778	17,063	6,023,649	16,117
1918	158,066	10,919	4,972,843	6,221
1919	114,404	4,510	5,301,742	8,799
1920	120,861	5,680	4,311,906	7,662

Commerce passing Lock No. 1, Green River.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		Floated logs.	By classes.	By commodities.
	Bulk.	Package.			
Animals and animal products, except wool and hair.				2,958	\$872,869.00
Cattle	1,412				\$303,580.00
Hogs	1,497				549,399.00
Horses and mules	48				19,200.00
Hides		1			690.00
Vegetable food products, oil seeds, expressed oils, and beverages.				1,079	\$80,243.00
Corn		302			16,610.00
Flour		384			46,080.00
Sugar		36			7,200.00
Hay		357			10,353.00
Other vegetable products, except fibers and wool: Tobacco.		2		2	1,260.00
Wood and paper.				57,870	615,714.00
Handles		2			120.00
Lumber	2,182				52,368.00
Logs	1,420		5,680		170,400.00
Staves		49			1,666.00
Shingles		52			2,080.00
Railroad ties	48,435				387,480.00
Hoop poles		50			1,600.00
Nonmetallic minerals.				52,479	314,180.40
Coal	36,114				238,352.40
Salt		237			3,792.00
Oil		718			32,310.00
Cement, Portland		181			2,353.00
Building stone	13,840				35,984.00
Sand and gravel	1,389				1,389.00
Machinery and vehicles: Iron, manufactured.		37		37	4,440.00
Unclassified.		12,116		12,116	2,423,200.00
Total	106,337	14,524	5,680	126,511	4,311,906.40

Traffic passing the locks on Green and Barren Rivers.

Kind of craft.	Green River.							
	Lock No. 1.		Lock No. 2.		Lock No. 3.		Lock No. 4.	
	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Net registered tonnage.
Passenger boats	294	40,907	303	38,165	944	41,462	915	39,534
Towboats	514	34,578	206	7,691	150	6,612	388	15,749
Government boats	49	5,257	63	7,231	59	9,820	85	10,298
Barges	1,286	406,838	498	187,575	384	161,371	606	173,718
Small craft	853	5,171	163	470	188	627	117	328
Total	2,996	492,751	1,233	241,132	1,734	219,892	2,111	239,631
Lockages	2,201		914		1,478		1,661	

Traffic passing the locks on Green and Barren Rivers—Continued.

Kind of craft.	Green River.				Barren River, Lock No. 1.	
	Lock No. 5.		Lock No. 6.		Num- ber.	Net reg- istered tonnage.
	Num- ber.	Net reg- istered tonnage.	Num- ber.	Net reg- istered tonnage.		
Passenger boats.....	117	11,739	89	8,560	932	41,824
Towboats.....	384	19,699	367	21,744	516	23,068
Government boats.....	51	8,195	21	3,664	30	5,148
Barges.....	1,374	353,059	1,359	280,982	1,453	292,566
Small craft.....	206	653	864	1,049	122	412
Total.....	2,131	393,345	2,700	315,999	3,053	363,018
Lockages.....	1,440		1,964		2,234	

ROUGH RIVER, KY.

Commerce passing Lock No. 1, Rough River, Ky.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		Floated logs.	By com- modities.	By com- modities.
	Bulk.	Package.		By classes.	By classes.
Wood and paper.....				2,700	\$41,544
Logs.....			2,584		\$38,760
Lumber.....	116				2,784
Nonmetallic minerals: Coal.....	3,344			3,344	22,070
Unclassified.....		2		2	400
Total.....	3,460	2	2,584	6,046	64,014

Vessel classification.

Kind of craft.	Number.	Net registered tonnage.
Towboats.....	34	182
Barges.....	260	23,271
Small craft.....	224	857
Total.....	518	24,310
Lockages.....	216	

DULUTH, MINN., DISTRICT.

HARBOR AT BAUDETTE, MINN.

Comparative statement of traffic.

Year.	Vessel traffic.		Towed in rafts.		Passengers.
	Tons.	Value.	Tons.	Value.	
1918.....	714	(1)	(1)	(1)	27,770
1919.....	61,065	\$3,247,476	(1)	\$1,720,000	63,092
1920.....	49,148	1,314,575	75,805	635,940	(1)

1 No record.

[Navigation season: Opened May 18; closed Nov. 7, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper.....		1,014		\$8,882
Logs, feet b. m. (18,000).....	136		\$360	
Pulp wood, cords (50).....	1100		600	
Poles, pieces (2,273).....	1454		4,546	
Posts, pieces (21,530).....	1322		2,584	
Ties, pieces (1,131).....	1102		792	
Total.....		1,014		8,882
EXPORTS.				
Wood and paper.....		3,432		32,808
Logs, feet b. m. (1,526,400).....	13,052		30,528	
Pulp wood, cords (190).....	1380		2,280	
Total.....		3,432		32,808
Total imports and exports.....		4,446		41,690

¹ Towed in rafts.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
RECEIPTS, INTERNAL.							
Animals and animal products: Fish.....		38	38	\$4,432	\$4,432	Miles. 40 Cents. 125	
Wood and paper.....			71,359		594,250		
Poles.....	126,789			320,000			
Posts.....	123,736			113,934			
Piles.....	11,548			10,320			
Ties.....	119,286			149,996			
Nonmetallic minerals.....			5,944		41,755		
Oils, gasoline.....		444		35,568		20 13.5	
Sand.....	5,500			6,187		20 5	
Machinery and vehicles: Machinery.....		300	300	180,000	180,000	30 10	
Unclassified: General merchandise.....		6,060	6,060	303,000	303,000	20 14	
Total.....	76,859	6,842	83,701		1,123,437		
SHIPMENTS, INTERNAL.							
Vegetable food products.....			545		59,958		
Flour.....		480		55,200		30 12	
Flax.....		10		882		20 15	
Wheat.....		36		2,736		20 15	
Oats.....		19		1,140		20 15	
Wood and paper.....			19		590		
Lumber.....		18		530		25 10	
Shingles.....		1		60		25 10	
Unclassified: General merchandise.....		36,242	36,242	724,840	724,840	20 14	
Total.....		36,806	36,806		785,388		
Total receipts and shipments.....	76,859	43,648	120,507		1,908,825		

¹ Towed in rafts.² Includes icing.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of com- modities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....					38	\$4,432			38	\$4,432
Vegetable food products.....							545	\$50,958	545	59,958
Wood and paper.....	1,014	\$8,882	3,432	\$32,808	71,359	594,250	19	590	75,824	636,530
Nonmetallic minerals.....					5,944	41,755			5,944	41,755
Machinery and vehicles.....					300	180,000			300	180,000
Unclassified (general merchandise)					6,060	303,000	36,242	724,840	42,302	1,027,940
Total.....	1,014	8,882	3,432	32,808	83,701	1,123,437	36,806	785,388	124,953	1,950,515

¹ Towed in rafts.

SUMMARY OF FOREST PRODUCTS.

[Towed in rafts and not included in totals in tables.]

FOREIGN.

	Estimated short tons.	Valuation.
IMPORTS.		
Logs (18,000 feet b. m.).....	36	\$360
Poles (2,273 pieces).....	454	4,546
Posts (21,530 pieces).....	322	2,584
Pulp wood (50 cords).....	100	600
Ties (1,131 pieces).....	102	792
Total.....	1,014	8,882
EXPORTS.		
Logs (1,526,400 feet b. m.).....	3,052	30,528
Pulp wood (190 cords).....	380	2,280
Total.....	3,432	32,808
Total imports and exports.....	4,446	41,690

DOMESTIC.

RECEIPTS.		
Poles (160,000 pieces).....	26,789	\$320,000
Posts (949,450 pieces).....	23,736	113,934
Piles (2,064 pieces).....	1,548	10,320
Ties (214,280 pieces).....	19,286	149,996
Total.....	71,359	594,250

Total of foreign and domestic, 75,805 tons; valued at \$635,940.

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Foreign.	Total.	Net reg- istered tonnage.
Steam.....	22	64	86	2,560
Motor (not registered).....	5,700		5,700	(1)
Total.....	5,722	64	5,786	2,560

¹ Unknown; 57 motor boats make this harbor, all of 2 to 4 feet draft.

No record of passengers carried in 1920.

The draft of steamers entering or departing was from 4 to 7 feet.

Revenue collected by lake (estimated), \$776.69.

Imports, by lake (estimated), \$57,000.

Exports, by lake (estimated), \$94,000.

GRAND MARIAS HARBOR, MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	275	\$32,035	(1)	1906.....	30,910	\$970,063	(1)
1891.....	319	32,687	(1)	1907.....	48,185	1,471,555	(1)
1892.....	756	65,374	(1)	1908.....	41,125	1,253,574	(1)
1893.....	907	78,460	(1)	1909.....	13,285	1,656,557	(1)
1894.....	441	41,230	(1)	1910.....	15,350	958,307	(1)
1895.....	913	91,300	(1)	1911.....	9,727	175,129	(1)
1896.....	1,360	114,198	(1)	1912.....	9,246	265,929	(1)
1897.....	1,777	122,868	(1)	1913.....	5,480	199,648	(1)
1898.....	3,182	249,764	(1)	1914.....	2,216	198,037	(1)
1899.....	6,203	454,360	(1)	1915.....	4,298	227,949	3,565
1900 ¹				1916.....	4,552	861,756	3,395
1901.....	24,118	249,144	(1)	1917.....	5,738	432,612	2,217
1902.....	24,233	338,975	(1)	1918.....	6,443	318,362	1,818
1903.....	35,255	732,137	(1)	1919.....	8,468	371,802	1,510
1904.....	64,240	1,179,902	(1)	1920.....	14,447	292,351	2,003
1905.....	82,110	1,180,518	(1)				

¹ No record.

² 1900 records destroyed by fire.

[Navigation season: Opened Mar. 30, 1920; closed Jan. 12, 1921.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
RECEIPTS.							
Animals and animal products, except wool and hair.....			46		\$14,500	Miles.	Cents.
Horses.....		18		\$5,550		106	11.32
Cattle.....		1		240		106	16.98
Beef.....		20		6,000		106	3.77
Pork, salted and cured.....		7		2,800		106	3.77
Vegetable food products.....			474		29,725		
Flour.....		128		14,720		106	2.83
Oats.....		121		7,169		106	3.40
Bran and feed.....		127		5,582		106	2.83
Hay.....		98		2,251		106	2.83
Nonmetallic minerals.....			1,222		48,341		
Coal.....	560			5,604		106	2.83
Oils.....		529		41,102		106	5.07
Cement.....		120		1,350		106	2.83
Lime and plaster.....		13		285		106	2.83
Wood and paper: Lumber.....		75	75	2,210	2,210	106	4.25
Machinery and vehicles.....			29		8,352		
Automobiles.....		5		6,000		106	4.01
Manufactured iron.....		24		2,352		106	2.83
Unclassified.....		792	792	51,480	51,480	106	3.77
Total.....	560	2,078	2,638		154,698		
SHIPMENTS.							
Animal and animal products, except wool and hair.....			348		41,812		
Fish.....		333		38,062		106	6.60
Cream.....		15		3,750		106	9.43
Vegetable food products: Potatoes.....		120	120	4,000	4,000	106	2.83
Wood and paper.....			11,236		87,399		
Lumber.....	750			22,100		702	0.68
Shingles.....		22		1,320		(1)	(1)
Pulpwood.....	10,200			61,200		(1)	(1)
Ties.....		229		1,779		106	1.78
Barrels, oil, empty.....		35		1,000		106	8.09
Unclassified.....		105	105		4,442	(1)	(1)
Total.....	10,950	859	11,809		137,653		
Total receipts and shipments.....	11,510	2,937	14,447		292,351		

¹ Distance and rate unknown.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal product.....	46	\$14,500	348	\$41,812	394	\$56,402
Vegetable food products.....	474	29,725	120	4,000	594	33,725
Nonmetallic minerals.....	1,222	48,341			1,222	48,341
Wood and paper.....	75	2,210	11,236	87,399	11,311	89,609
Machinery and vehicles.....	29	8,352			29	8,352
Unclassified.....	792	51,480	105	4,442	897	55,922
Total.....	2,638	154,698	11,809	137,653	14,447	292,351

No foreign imports or exports.

Vessels arrived and departed, 1920.

Class.	Americ- can.	Net reg- istered tonnage.	Passen- gers.
Steam.....	230	78,644	2,003
Gasoline.....	94	752	.....
Total.....	324	79,396	2,008

Boats drawing 12 feet of water or less carried all freight received and shipped during the season.

Fifteen tugs with scows entered the harbor for shelter; registered tonnage unknown.

Decrease in registered tonnage under 1919, 17,172 tons, due to there being 99 less arrivals and departures.

GRAND PORTAGE HARBOR, MINN.

[Navigation season: Opened Apr. 27, 1920; closed Dec. 18, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
RECEIPTS, INTERNAL.							
Vegetable food products.....			103		\$16,576	Miles. Cents.	
Corn.....		2		\$144		142 12.5	
Feed.....		20		1,000		142 12.5	
Oats.....		16		1,000		142 12.5	
Hay.....		20		500		142 12.8	
Fruit and vegetables.....		10		1,500		142 13.5	
Soft drinks.....		2		90		142 13.0	
Groceries.....		33		12,342		142 12.8	
Wood and paper Lumber.....		2	2	72	72	142 12.5	
Nonmetallic minerals.....			76		1,380		
Coal, hard.....		50		1,000		142 12.1	
Coal, soft.....		25		300		142 12.1	
Gasoline.....		1		80		142 13.8	
Unclassified: Household goods and general merchandise.....		70	70	10,500		142 12.5	
Total.....		251	251		28,528		
SHIPMENTS, INTERNAL.							
Animal and animal products: Fish.....		80	80	9,144	9,144	142 12.5	
Vegetable food products: Potatoes.....		9	9	750	750	142 12.1	
Wood and paper.....			6,307		28,134		
Lumber.....	15			450		(¹) (²)	
Posts.....	5			24		(¹) (²)	
Poles.....	37			510		(¹) (²)	
Pulpwood.....	3,000			18,000		(¹) (²)	
Ties.....	250			2,100		(¹) (²)	
Cordwood.....	3,000			7,050		(¹) (²)	
Unclassified.....		5	5	250	250	142 12.5	
Total.....	6,307	94	6,401		38,278		
Total receipts and shipments..	6,307	345	6,652		66,806		

¹ No railroad competition.

² Includes icing.

³ Distance and rate unknown.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products.....			80	\$9,144	80	\$9,144
Vegetable food products.....	103	\$16,576	9	750	112	17,326
Wood and paper.....	2	72	6,307	28,134	6,309	28,206
Nonmetallic minerals.....	76	1,380			76	1,380
Unclassified.....	70	10,500	5	250	75	10,750
Total.....	251	28,528	6,401	38,278	6,652	66,806

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Net reg- istered tonnage.	Passen- gers.
Steam.....	129	75,518	494
Tow barges.....	2	1,500	
Tugs and gasoline.....	13	280	
Total.....	144	77,298	494

The draft of the steam and tow barges varied from 10 to 15 feet; gasoline boats, 4 to 6 feet.

AGATE BAY HARBOR, MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	1,021,483	(1)	(1)	1906.....	9,566,874	\$28,697,943	(1)
1891.....	1,041,233	(1)	(1)	1907.....	9,571,752	26,780,191	(1)
1892.....	1,359,362	(1)	(1)	1908.....	6,688,602	16,941,624	(1)
1893.....	1,059,894	(1)	(1)	1909.....	10,628,731	29,308,378	(1)
1894.....	1,439,170	(1)	(1)	1910.....	9,651,084	32,310,860	(1)
1895.....	2,218,530	(1)	(1)	1911.....	7,422,559	23,547,459	(1)
1896.....	1,905,559	(1)	(1)	1912.....	10,895,572	28,994,339	(1)
1897.....	2,730,322	(1)	(1)	1913.....	11,758,009	31,758,689	(1)
1898.....	2,812,168	(1)	(1)	1914.....	6,698,005	16,129,988	(1)
1899.....	4,004,252	(1)	(1)	1915.....	9,963,107	22,516,664	(1)
1900.....	4,723,784	(1)	(1)	1916.....	12,349,278	33,255,952	13,199
1901.....	5,816,583	\$13,602,018	(1)	1917.....	10,773,241	43,020,022	827
1902.....	6,553,456	15,789,960	(1)	1918.....	10,155,700	40,387,497	1,875
1903.....	5,986,759	15,042,822	(1)	1919.....	7,474,418	31,080,565	742
1904.....	5,350,293	13,532,524	(1)	1920.....	10,704,464	48,943,259	1,142
1905.....	9,005,132	24,370,810	(1)				

¹ No statistics available.

[Navigation season: Opened Apr. 8, 1920; closed Jan. 12, 1921.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
RECEIPTS.							
Animals and animal products, except wool and hair.....			35		\$4,156	Miles.	Cents.
Cattle.....		1		\$270		26	46.15
Fish.....		34		3,886		80	6.25
Nonmetallic minerals.....			269,918		2,469,769		
Coal.....	269,911			2,469,697		830	.065
Salt.....		7		72		26	9.61
Unclassified.....		56	56		3,360	26	1.154
Total.....	269,911	98	270,009		2,477,285		
SHIPMENTS.							
Animals and animal products:							
Fish.....		20	20	2,286	2,286	26	1.923
Wood and paper.....			42,540		255,944		
Lumber.....		30		884		(1)	(1)
Pulpwood.....	42,510			255,060		918	.762
Ores, metals.....			10,391,880		46,206,844		
Iron ore.....	10,391,879			46,206,746		843	.127
Manufactured iron.....		1		98		(1)	(1)
Unclassified.....		15	15	900	900	(1)	(1)
Total.....	10,434,389	66	10,434,455		46,465,974		
Total receipts and shipments.....	10,704,300	164	10,704,464		48,943,259		

¹ Distance and rate unknown.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.	35	\$4,156	20	\$2,286	55	\$6,442
Wood and paper.			42,540	255,944	42,540	255,944
Nonmetallic minerals.	269,918	2,469,769			269,918	2,469,769
Ores, metals, except machinery and vehicles.			10,391,880	46,206,844	10,391,880	46,206,844
Unclassified.	56	3,360	15	900	71	4,260
Total.	270,009	2,477,285	10,434,455	46,465,974	10,704,464	48,943,259

Vessels arrived and departed, 1920.

Class.	American.	Net registered tonnage.	Passengers.
Steam.	2,019	7,473,027	1,142
Tow barges.	300	1,800,292	
Gasoline.	32	416	
Total.	2,351	9,273,735	1,142

Increase in net registered tonnage over 1919, 2,707,533.

Increase in number arrivals and departures over 1919, 475 boats.

No imports or exports; no revenue collected; no boats enrolled at this port.

Greatest draft of vessels arrived or departed in 1920, 21 feet.

Average iron-ore cargo in 1920, 9,043 long tons.

DULUTH-SUPERIOR HARBORS, MINN. AND WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	2,848,672	(1)	(1)	1906.....	29,171,221	\$251,899,844	90,489
1891.....	3,493,533	(1)	(1)	1907.....	34,786,705	287,529,694	53,410
1892.....	4,241,902	(1)	(1)	1908.....	23,797,162	223,114,320	57,087
1893.....	4,975,292	(1)	(1)	1909.....	32,529,301	261,579,159	51,423
1894.....	5,826,656	(1)	(1)	1910.....	36,684,578	284,049,672	63,400
1895.....	6,325,351	\$95,000,000	(1)	1911.....	30,672,846	236,056,373	65,685
1896.....	7,886,833	111,676,900	(1)	1912.....	41,474,776	329,921,932	55,470
1897.....	8,475,224	118,551,185	(1)	1913.....	46,875,416	352,595,577	65,343
1898.....	10,127,261	142,643,029	(1)	1914.....	33,535,704	287,002,960	61,883
1899.....	11,608,088	157,143,966	(1)	1915.....	40,494,672	348,802,154	51,809
1900.....	11,725,245	135,109,196	(1)	1916.....	52,177,333	387,219,625	51,509
1901.....	12,973,373	164,305,819	(1)	1917.....	32,411,824	471,309,736	26,341
1902.....	17,505,793	194,444,695	(1)	1918.....	53,746,358	537,514,906	22,732
1903.....	17,966,718	177,744,956	(1)	1919.....	42,895,681	444,037,628	40,119
1904.....	19,617,017	157,233,209	(1)	1920.....	40,808,613	552,900,033	43,476
1905.....	22,676,145	196,751,583	75,261				

¹ No statistics available.

[Navigation season: Opened Apr. 21, 1920; closed Dec. 13, 1920. Local navigation closed Jan. 25, 1921.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
IMPORTS.						
Vegetable food products.....		203,643		\$14,215,500	Miles.	Cents.
Barley ¹	1,104		\$69,000		203	0.82
Flax ²	41,537		4,450,533		452	.316
Feed, stock ¹	1,734		76,296		203	1.13
Rye ¹	3,400		242,838		203	.70
Screenings, wheat ¹	36,089		216,534		203	.655
Wheat ¹	122,136		9,160,299		247	.54
Total.....		206,000		14,215,500		
EXPORTS.						
Ores, metals: Iron ore ³	319,678	319,678	1,591,996	1,591,996	394	.152
Total imports and exports.....		525,678		15,807,496		

¹ Grain from Canada.

² Flax from Argentina.

³ Ore to Canada.

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Packages.					
RECEIPTS.							
Animals and animal products, except wool and hair.			2,834		\$324,429	Miles. Cents	
Cows.		3		\$720		106 111.5	
Calves.		1		240		106 122.64	
Fish.		2,830		323,469		80 17.50	
Vegetable food products, except fibers and wood.			373		20,399		
Apples.		18		1,134		(*)	
Hay.		55		1,265		(*)	
Potatoes.		300		18,000		90 3.33	
Wood and paper, except printed matter.			4,189		51,080		
Lumber.	607			17,888		(*)	
Lath.		37		1,184		(*)	
Shingles.		29		1,560		(*)	
Ties.	310	36		2,699		(*)	
Posts, poles and pulpwood.	3,170			27,749		(*)	
Textiles (binding twine).		26	26	6,240	6,240	985 .446	
Nonmetallic minerals.			10,137,573		116,264,703		
Coal, hard.	1,637,477			18,552,614		985 .0548	
Coal, soft.	7,393,219			67,647,954		853 .063	
Cement.	54,150			609,118		(*) (*)	
Limestone.	439,900			1,376,887		(*) (*)	
Salt.	95,205			954,906		750 .166	
Stone, building.	268			2,010		34 8.8	
Sand.	96,780			122,668		(*)	
Gravel.	57,436			72,800		(*)	
Gasoline oil.	280,976			22,515,516		(*)	
Lubricating oil.		300		41,400		(*)	
Kerosene oil.	81,862			4,368,830		(*)	
Ores, metals, except machinery and vehicles.			53,227		4,190,496		
Ferromanganese.	2,195			241,450		985	
Scrap iron.	130			2,600		90 2.8	
Steel rails.	22,900			1,202,250		985 .34	
Manufactured iron.		28,002		2,744,196		884 .486	
Machinery and vehicles.			8,029		6,830,300		
Automobiles.		5,170		4,829,000		727 4.82	
Machinery.		2,859		2,001,300		985 .528	
Chemicals: Soda, ash.		660	660	42,900	42,900	985 .46	
Unclassified.			149,219		49,225,434	(*)	
General merchandise.		127,205					
Miscellaneous.		22,014					
Total.	10,166,585	189,545	10,356,130		176,955,981		
SHIPMENTS.							
Animals and animal products.			3,712		3,966,143		
Butter.		3,634		3,924,720		985 .148	
Eggs.		67		38,123		985 1.48	
Beef, fresh.		11		3,300		106 3.77	
Vegetable food products.			2,351,507		192,130,903		
Barley.	74,337			2,725,699		985 .179	
Flax.	46,068			4,044,155		985 .174	
Flour.		529,458		60,887,624		985 .306	
Feed.		16,957		746,108		985 .528	
Fruit and vegetables.		194		29,100		90 5.550	
Hay.		61		1,403		106 2.830	
Oats.	10,539			624,410		985 .254	
Rye.	647,544			44,706,197		985 .163	
Wheat.	1,026,349			78,276,207		985 .164	
Textiles: Wool.		1,347	1,347		1,616,400	985 1.218	
Wood and paper, except printed matter.			77,258		2,444,834		
Lumber.	72,116			2,125,003		985 .485	
Shingles.		4,980		298,900		985 .467	
Kegs.		143		19,302		90 111.109	
Paper.		19		1,729		90 3.333	

* Includes loading and unloading.

* Distance and rate unknown; picked up locally.

* Carried by owners; no rate.

* Part local, part interstate; impracticable to estimate rates or distances.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Packages.					
SHIPMENTS—continued.						Miles.	Cents.
Nonmetallic minerals.....			3,837		\$63,958		
Coal.....	3,005			\$30,050		90	1 3.333
Cement.....		169		1,901		80	1 3.333
Gasoline oil.....		334		26,750		106	1 6.000
Kerosene oil.....		38		2,028		90	1 5.850
Lubricating oil.....		2		331		90	1 5.550
Salt.....		289		2,898		90	1 2.780
Ores, metals.....			33,469,489		154,151,840		
Copper.....		15,638		5,379,785		985	589
Manufactured iron.....		12		1,176		106	1 4.056
Pig iron.....		157		8,949			
Iron ore.....	33,451,904			148,570,930		864	134
Zinc (spelter).....		1,778		191,000		985	427
Machinery and vehicles.....			116		85,400		
Automobiles.....		14		14,000		(*)	(*)
Machinery.....		102		71,400		106	1 4.056
Chemicals: Paint.....		4	4	1,800	1,800	90	1 3.333
Unclassified, general merchandise.....		19,535	19,535		5,675,278	(*)	(*)
Total.....	35,331,862	594,943	35,926,805		360,136,556		
Total receipts and shipments.....	45,498,447	786,845	46,285,292		537,092,537		

¹ Includes loading and unloading.² Distance and rate unknown.³ Part local, part interlake; impractical to estimate rates or distances.

SUMMARY.

Classes of commodities.	Foreign.				Domestic receipts.	
	Imports.		Exports.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products.....					2,834	\$324,429
Vegetable food products.....	206,000	\$14,215,500			373	20,399
Textiles.....					26	6,240
Wood and paper.....					4,189	51,080
Nonmetallic minerals.....					10,137,573	116,264,703
Ores, metals.....			319,678	\$1,591,996	53,227	4,190,496
Machinery and vehicles.....					8,029	6,830,300
Chemicals.....					660	42,900
Unclassified (general merchandise).....					149,219	49,225,434
Total.....	206,000	14,215,500	319,678	1,591,996	10,356,130	176,955,981

Classes of commodities.	Domestic shipments.		Total.	
	Tons.	Value.	Tons.	Value.
Animals and animal products.....	3,712	\$3,966,143	6,546	\$4,290,572
Vegetable food products.....	2,351,507	192,130,903	2,557,880	206,366,802
Textiles.....	1,247	1,616,400	1,373	1,622,640
Wood and paper.....	77,258	2,444,834	81,447	2,495,914
Nonmetallic minerals.....	3,857	63,958	10,141,410	116,328,661
Ores, metals.....	33,469,489	154,151,840	33,842,394	159,934,332
Machinery and vehicles.....	116	85,400	8,145	6,915,700
Chemicals.....	4	1,800	664	44,700
Unclassified (general merchandise).....	19,535	5,675,278	168,754	54,900,712
Total.....	35,926,805	360,136,556	46,808,613	552,900,033

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Net reg- istered tonnage.	Foreign.	Net reg- istered tonnage.	Total vessels.	Total net registered tonnage.
Steam.....	7,604	32,595,532	631	1,719,416	8,235	34,314,948
Barges.....	284	752,737	18	29,002	302	781,739
Tugs and gasoline.....	729	25,364	17	2,505	746	27,869
Total.....	8,617	33,373,633	1,666	1,750,923	9,283	35,124,556

¹ Principally American bottoms in Canadian trade.

The navigation season for interlake traffic covered a period of 238 days, from April 21 to December 13. Local navigation was still open at close of the calendar year. Average date of opening for 50 years, April 21; average date of closing, December 13.

Value of imports by lake, free..... \$14,215,500
Value of exports by lake, free..... 1,591,996

In addition to the above there is a considerable amount of package freight shipped to and received from Canadian ports of which this office has no record, and under the present system of collecting these statistics do not receive a separate report of the foreign from the domestic traffic.

Revenue collected during the year..... \$315,307.51

Number of passengers arrived..... 20,954

Number of passengers departed..... 22,922

Total..... 43,876

PORT WING HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1902.....	40,723	\$653,400	(1)	1912.....	11,999	\$199,807	516
1903.....	51,969	785,054	1,100	1913.....	11,712	192,516	753
1904.....	44,394	568,133	1,020	1914.....	1,986	78,541	760
1905.....	44,249	512,721	900	1915.....	1,432	78,041	612
1906.....	28,611	345,448	768	1916.....	1,522	100,334	* 2,495
1907.....	106,971	973,680	507	1917.....	565	109,214	106
1908.....	23,100	312,941	685	1918.....	2,844	192,224	51
1909.....	29,745	447,595	284	1919.....	2,978	183,568	* 3,711
1910.....	25,149	486,564	(1)	1920.....	2,310	185,045	* 5,281
1911.....	12,419	313,504	501				

¹ No record.

* Mostly excursionists.

[Navigation season: Opened Apr. 24, 1920; closed Nov. 28, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.		By commodities.	By classes.		
	Bulk.	Package.				
RECEIPTS.						
Animals and animal products, except wool and hair.			8	\$1,990	Miles.	Cents.
Cattle.		3		\$640	34	19.6
Horses.		2		450	34	11.0
Beef, fresh.		3		900	34	10.3
Vegetable food products			357	106,913		
Corn.		10		505	34	10.6
Oats.		28		1,631	34	10.6
Wheat.		9		720	34	10.6
Flour.		31		3,565	34	10.3
Soft drinks.		9		394	34	10.0
Groceries, etc.		270		100,098	34	10.0
Wood and paper, except printed matter: Building paper.		17	17	1,547	34	8.8
Nonmetallic minerals.			169	2,073		
Coal, hard.		48		544	34	8.8
Cement.		75		844	34	8.8
Lime.		7		187	34	11.0
Plaster.		18		286	34	8.8
Salt.		21		212	34	7.2
Ores, metals, except machinery and vehicles: Manufactured iron.		25	25	2,450	34	8.8
Machinery and vehicles.			21	2,500		
Millwork.		16		2,000	34	8.8
Logging outfit.		5		500	34	8.8
Household goods.		26	66	3,900	34	10.0
Unclassified.		40		1,500	34	8.8
Total.		663	663	122,873		
SHIPMENTS.						
Animals and animal products.			80	10,470		
Cattle.		15		3,040	34	18.6
Fish.		65		7,430	(1)	(1)
Vegetable food products.			403	16,217		
Wheat.		35		2,702	34	10.6
Hay.		48		1,104	34	10.6
Potatoes.		255		8,511	34	8.8
Fruit and vegetables.		65		3,900	34	8.8
Wood and paper, except printed matter: Lumber.	1,050		1,050	30,940	774	.617
Ores, metals: Scrap, iron.		1	1	20	34	8.8
Machinery and vehicles: Logging outfit.		1	1	100	(1)	(1)
Household goods.		2	2	300	34	10.0
Unclassified.		110	110	4,125	34	8.8
Total.	1,050	597	1,647	62,172		
Total receipts and shipments.	1,050	1,260	2,310	185,045		

¹ Distance and rate unknown.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	8	\$1,980	80	\$10,470	88	\$12,460
Vegetable food products	357	106,913	403	16,217	760	123,130
Wood and paper	17	1,547	1,050	30,940	1,067	32,487
Nonmetallic minerals	169	2,073			169	2,073
Ores, metals	25	2,450	1	20	26	2,470
Machinery, vehicles	21	2,500	1	100	22	2,600
Unclassified	66	5,400	112	4,425	178	9,825
Total	663	122,873	1,647	62,172	2,310	185,045

¹ Does not include 1,150 cords of pulpwood, valued at \$13,800.

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Net registered tonnage.	Passen- gers.
Registered:			
Steam	76	39,476	5,281
Derrick scow	8	1,296	
Gasoline	44	572	
Total	128	41,344	

Increase in registered tonnage over 1919, 6,232.

Greatest draft of vessels arriving and departing, 13 feet.

No new lines of transportation established during the year.

No record of unregistered vessels.

All of the above boats carried freight, one of the number making 32 trips; also carried passengers, principally excursionists.

CORNUCOPIA HARBOR, WIS.

[Navigation season: Opened May 6; closed Dec. 1, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL.						
Animals and animal products: Meats, fresh.	5	5	\$1,500	\$1,500	Miles. 46	Cents. 7.6
Vegetable food products.....		150		9,515		
Corn.....	4		240		46	8.0
Flour.....	25		2,375		46	7.6
Feed.....	63		2,960		46	6.5
Oats.....	48		2,950		46	8.0
Fruits and vegetables.....	3		450		46	6.5
Soft drinks.....	5		240		46	7.4
Wood and paper.....		18		1,141		
Lumber.....	8		221		46	10.4
Paper, building.....	10		920		46	6.5

Freight traffic, 1920—(Continued.)

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL—continued.						
Nonmetallic minerals.....		222		\$5,306	Miles.	Cents.
Cement.....	10		\$120		46	6.5
Coal, soft.....	100		1,000		46	6.5
Lime.....	3		75		46	6.5
Salt.....	57		570		46	5.4
Brick.....	5		70		46	6.5
Gasoline.....	37		2,964		46	10.9
Kerosene.....	10		507		46	10.9
Unclassified: General merchandise.....	88	88	13,200	13,200	46	6.5
Total.....	483	483	30,662	30,662		
SHIPMENTS, INTERNAL.						
Animals and animal products.....		430		51,720		
Cattle (75 head).....	30		6,000		46	13.6
Fish.....	400		45,720		46	10.9
Vegetable food products.....		66		20,992		
Apples.....	14		882		46	6.5
Butter.....	17		18,360		46	6.5
Fruit.....	5		750		46	6.5
Potatoes.....	30		1,090		46	6.5
Unclassified: General merchandise.....	167	167	4,175	4,175	46	6.5
Total.....	663	663	76,887	76,887		
Total receipts and shipments.....	1,146	1,146	107,549	107,549		

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	5	\$1,500	430	\$51,720	435	\$53,220
Vegetable food products.....	150	9,515	66	20,992	216	30,507
Wood and paper.....	18	1,141			18	1,141
Nonmetallic minerals.....	222	5,306			222	5,306
Unclassified (general merchandise).....	88	13,200	167	4,175	255	17,375
Total.....	483	30,662	663	76,887	1,146	107,549

Vessels arrived and departed, 1920.

Class.	American.		Net registered tonnage.	
Steam.....	64		37,952	
Gasoline.....	44		572	
Total.....	108		38,524	

No record of unregistered vessels.

Greatest draft of vessels entered or departed, about 12 feet.

BAYFIELD HARBOR, WIS.

[Navigation season, opened Apr. 30; closed Dec. 11, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
SHIPMENTS, INTERNAL.						
Wood and paper: Lumber (4,467 feet b. m.).....	6,700	6,700	\$183,331	\$183,331	Miles. 943	Cents. 0.507

Vessels arrived and departed.

Class.	American.	Net registered tonnage.
Steam.....	12	5,916
Tow barges.....	2	658
Total.....	14	6,574

Greatest draft of vessels entered or departed, 12 feet.

WASHBURN HARBOR, WIS.

[Navigation season, opened Apr. 22; closed Dec. 15, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL.						
Nonmetallic minerals.....		74,400		\$694,276	Miles.	Cents.
Coal, hard.....	6,200		\$70,246		928	\$0.053
Coal, soft.....	68,200		624,030		802	.067
Total.....	74,400	174,400		\$694,276		
SHIPMENTS, INTERNAL.						
Wood and paper: Lumber.....	7,830	7,830	230,724	230,724	940	.508
Total receipts and shipments.....	82,230	82,230		925,000		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....			7,830	\$230,724	7,830	\$230,724
Nonmetallic minerals.....	74,400	\$694,276			74,400	694,276
Total.....	74,400	694,276	7,830	230,724	82,230	* 925,000

¹ Does not include 6,000,000 feet of logs towed in.² Does not include value of logs, \$168,000.*Vessels arrived and departed, 1920.*

Class.	Ameri- can.	Net reg- istered tonnage.
Steam.....	36	74,618
Tow barges.....	2	1,186
Total.....	38	75,804

Greatest draft of vessels entered or departed, 16 feet.
No record of unregistered vessels.

ASHLAND HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	2,816,924	(1)	1906.....	4,910,031	\$20,793,478
1891.....	3,217,541	(1)	1907.....	4,856,239	23,856,242
1892.....	4,267,097	(1)	1908.....	3,658,530	17,738,143
1893.....	2,759,870	(1)	1909.....	5,396,174	17,967,797
1894.....	2,982,502	(1)	1910.....	5,694,174	21,606,999
1895.....	3,747,251	(1)	1911.....	3,621,279	13,240,067
1896.....	2,391,337	(1)	1912.....	6,065,381	16,593,107
1897 ¹			1913.....	5,623,309	15,890,858
1898.....	2,808,891	\$10,630,023	1914.....	4,432,452	11,126,078
1899.....	3,293,478	25,000,000	1915.....	6,534,410	15,378,873
1900.....	3,295,837	15,119,497	1916.....	10,076,703	29,489,599
1901.....	4,082,131	16,957,639	1917.....	9,580,085	36,137,511
1902.....	4,625,450	16,701,450	1918.....	9,361,221	38,240,610
1903.....	4,212,386	25,904,356	1919.....	7,346,243	31,652,340
1904.....	3,435,328	18,725,768	1920.....	9,836,329	47,043,455
1905.....	4,916,174	25,946,514			

¹ No statistics available.² No record of any statistical report for 1897.

Passengers carried, 82,370 in 1916; 68,988 in 1917; 32,435 in 1919; unknown in 1920.

1008 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

[Navigation season, opened Apr. 22, 1920; closed Dec. 17, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper, except printed matter: Pulpwood (24,029 cords) ¹	48,058	48,058	\$288,348	\$288,348
EXPORTS.				
Ores, metals, except machinery and vehicles: Iron ore..	193,248	193,248	962,378	962,378
Total imports and exports.....		241,306		1,250,726

¹ Towed in from Canada.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.			Average	Rate per ton-mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
RECEIPTS.							
Wood and paper.....			9,163		\$87,948		
Posts.....	891			\$4,277		(1)	(1)
Poles.....	1,663			22,617		(1)	(1)
Ties.....	1,629			12,671		(1)	(1)
Pulpwood.....	400			2,400		(1)	(1)
Hardwood (logs).....	4,580			45,983		(1)	(1)
Nonmetallic minerals.....			611,326		5,727,672		
Coal, soft.....	549,840			5,031,036		806	0.067
Coal, hard.....	61,486			696,636		932	.058
Total.....	620,489		\$ 620,489		\$ 5,815,620		
SHIPMENTS.							
Animals and animal products, except wool and hair.....			85		26,870		
Horses.....		74		24,800		(1)	(1)
Swine.....		11		2,070		(1)	(1)
Vegetable food products.....			474		12,576		
Feed and grains.....		239		7,546		(1)	(1)
Hay and straw.....		235		5,030		(1)	(1)
Wood and paper, except printed matter: Lumber.....	4,439		4,439	130,786	130,786	943	.507
Ores, metals: Iron ore.....	8,969,306		8,969,306	39,778,265	39,778,265	826	1.130
Machinery and vehicles: Locomotives.....		70	70	12,208	12,208	(1)	(1)
Unclassified.....		160	160		16,404	(1)	(1)
Total.....	8,973,745	789	8,974,534		39,977,109		
Total receipts and shipments.....	9,594,234	789	9,595,023		45,792,729		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Wood and paper, except printed matter.....	48,058	\$288,348		
Ores, metals.....			193,248	\$962,378
Total.....	48,058	288,348	193,248	962,378

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			85	\$26,870	85	\$26,870
Vegetable food products.....			474	12,576	474	12,576
Wood and paper, except printed matter.....	9,163	\$87,948	4,439	130,786	61,660	507,082
Nonmetallic, minerals.....	611,326	5,727,672			611,326	5,727,672
Ores, metals.....			8,969,306	39,778,265	9,162,554	40,740,643
Machinery, vehicles.....			70	12,208	70	12,208
Unclassified.....			160	16,404	160	16,404
Total.....	620,489	5,815,620	8,974,534	39,977,109	* 9,836,329	* 47,043,455

¹ From local points; distance and rate unknown.

² Does not include 14,456,615 feet b. m. of logs towed in by rafts.

³ Does not include value of logs, \$290,289.

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steam.....	1,657	119	1,776	7,148,586
Tow barges.....	148		148	427,218
Total.....	1,805	119	1,924	7,575,804

No record of unregistered tonnage.

Increase in vessel tonnage over 1919, 1,883,722.

Value of imports by lake, free, \$288,348.

Value of exports by lake, \$962,378.

Greatest draft of vessels arrived or departed, 21 feet.

In addition to the number of vessels reported above, vessels clear from the head of the Lakes directly for Lake Erie ports and load at Ashland without reporting, also vessels upbound discharge their cargoes without reporting and go to the head of the Lakes without clearance.

HARBOR AT ONTONAGON, MICH.

Comparative statement of traffic.

(Exclusive of rafted logs, etc.)

Year.	Tons.	Value.	Year.	Tons.	Value.
1899.....	8,218	\$450,000	1910.....	22,059	\$315,469
1900.....	7,352	415,086	1911.....	21,266	245,956
1901.....	4,284	719,795	1912.....	2,943	41,670
1902.....	5,735	416,434	1913.....	8,525	120,809
1903.....	7,990	495,070	1914.....	12,032	162,851
1904.....	16,900	894,500	1915.....	4,697	395,748
1905.....	30,506	1,043,181	1916.....	2,434	56,680
1906.....	21,411	797,047	1917.....	1,480	62,518
1907.....	7,332	345,493	1918.....	1,406	64,305
1908.....	13,049	254,022	1919.....	3,069	75,520
1909.....	16,870	325,733	1920.....	2,950	126,313

Passengers carried, 1915, 280; other years, no record.

ADDITIONAL TRAFFIC, TOWED IN RAFTS.

Year.	Logs (feet b. m.), poles, ties (pieces).	Value.	Year.	Logs (feet b. m.), poles, ties (pieces).	Value.
1899.....	1,550,000	\$18,600	1911.....	(1)	.....
1900.....	1,300,000	15,660	1912.....	400,000	\$5,000
1901.....	2,665,000	29,315	1913.....	1,250,000	17,590
1902.....	3,750,000	46,875	1914.....	3,265,507	45,717
1903.....	2,400,000	28,800	1915.....	1,000,000	14,000
1904.....	1,000,000	12,000	1916.....	(1)	.....
1905.....	8,025,000	104,325	1917.....	(1)	.....
1906.....	8,650,000	129,750	1918.....	(1)	.....
1907.....	2,145,000	32,000	1919.....	360,000	9,000
1908.....	4,070,000	60,040	1920.....	511,000	16,352
1909.....	2,750,000	38,500		¹ 1,500	1,050
1910.....	(1)	.....		² 500	1,000

¹ No statistics available.² Ties.³ Poles.

[Navigation season: Opened Apr. 20, 1920; closed Dec. 13, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
RECEIPTS.					
Animal and animal products: Fish.....		41	41	\$10,373	\$10,373
Nonmetallic minerals: Coal.....		15	15	180	180
Total.....		56	56		10,553
SHIPMENTS.					
Wood and paper: Lumber (hardwood).....	2,894		2,894	115,760	115,760
Total receipts and shipments.....	2,894	56	2,950		126,313

¹ Does not include 511,000 feet b. m. of hardwood logs, 1,500 ties, and 500 poles towed in, valued at \$18,402.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products, except wool and hair.....	41	\$10,373			41	\$10,373
Nonmetallic minerals.....	15	180			15	180
Wood and paper.....			2,894	\$115,760	2,894	115,760
Total.....	56	10,553	2,894	115,760	2,950	126,313

Vessels arrived and departed, 1920.

Class.	American.	Net registered tonnage.
Registered:		
Steam.....	116	8,950
Tow barges.....	2	714
Gasoline.....	14	158
Total.....	132	9,822

No record of unregistered vessels.

Increase in registered tonnage over 1919, 4,006.

Greatest draft of vessels entered or departed, 13 feet.

KEWEENAW WATERWAY, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892.....	496,288	\$14,888,640	30,093	1907.....	2,448,041	\$101,774,806	44,448
1893.....	532,628	15,978,840	27,084	1908.....	2,263,914	77,323,898	50,159
1894.....	754,973	22,449,190	32,636	1909.....	2,544,073	85,266,001	52,131
1895.....	749,312	29,446,915	24,809	1910.....	2,384,676	77,262,115	65,334
1896.....	826,800	29,001,752	41,262	1911.....	2,146,617	78,861,611	66,526
1897.....	876,348	33,808,019	34,936	1912.....	2,406,618	86,582,812	41,760
1898.....	1,268,404	39,073,906	30,405	1913.....	2,260,560	72,550,334	39,579
1899.....	1,363,351	54,496,994	34,714	1914.....	1,900,588	70,010,151	46,604
1900.....	1,751,590	57,447,765	32,875	1915.....	2,462,929	110,414,125	46,752
1901.....	2,014,978	56,077,667	36,054	1916.....	2,227,054	105,181,229	56,151
1902.....	2,361,053	64,437,569	47,987	1917.....	2,183,274	106,397,272	17,244
1903.....	2,323,019	64,559,875	32,850	1918.....	1,951,790	72,492,503	18,165
1904.....	2,240,570	58,888,180	26,237	1919.....	1,386,672	64,513,670	25,986
1905.....	2,413,445	79,469,500	34,422	1920.....	1,148,748	56,661,208	22,922
1906.....	2,632,355	102,446,779	72,400				

1012 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

[Navigation season: Opened Apr. 30, 1920; closed Dec. 7, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Ores, metals, etc.: Copper.....	4,321	4,521	\$1,496,089	\$1,496,089
THROUGH WESTBOUND.				
Wood, and paper, etc.: Lumber	1,275	1,275	37,570	37,570
Unclassified.....		1,400		521,600
Total.....		2,675		561,170
THROUGH EASTBOUND.				
Vegetable food products.....		4,228		348,880
Flaxseed.....	616		77,440	
Grain (except flaxseed and wheat).....	672		41,140	
Wheat.....	2,940		230,300	
Wood, and paper.....		4,394		88,457
Lumber.....	2,646		77,969	
Pulpwood.....	1,748		10,488	
Total.....		8,622		437,337
Total through west and east bound		11,297		998,507

The above freight was carried on vessels drawing from 12 feet 3 inches to 18 feet 4 inches of water.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile.
	By commodities.		By classes.	By commodities.			
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.							
Vegetable food products: Hay.....		30	30	\$960	\$960	Miles. 15	Cents. (1)
Wood and paper, etc.....			679		20,313		
Lumber.....	669			19,713		592	0.952
Shingles.....		10		600		40	(1)
Nonmetallic minerals.....			727,520		6,846,304		
Cement.....	3,057			34,391		636	.314
Hard coal.....	71,502			810,118		780	.077
Soft coal.....	645,040			5,902,116		662	.076
Lubricating oil.....		244		33,672		812	.727
Sand.....	4,352			5,121		405	.309
Coke.....		1,042		21,309		650	.077
Pebbles.....		2,083		39,577		812	.727
Ores, metals, etc.: Manufactured iron.....		764	764	74,872	74,872	726	.813
Machinery and vehicles: Automobiles, etc.....		152	152	56,848	56,848	812	2.463
Chemicals, etc.....			150		3,708		
Nitrate of ammonia.....		149		3,708		812	.185
Paint.....		1				812	(1)
Unclassified.....		5,300	5,300	1,982,200	1,982,200	800	.738
Total.....	724,820	9,775	734,595		8,985,205		

¹ Freight rate unknown.

Freight traffic, 1920—(Continued.)

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
SHIPMENTS.							
Vegetable food products: Grain (except flaxseed and wheat).....		4	4	\$127	\$127	Miles. 40	Cents. (1)
Wood and paper, etc.: Lumber.....	11,232		11,232	330,970	330,970	577	0.828
Nonmetallic minerals.....			9,647		11,744		
Hard coal.....	24			272		15	(1)
Soft coal.....	74			677		34	(1)
Sand.....	9,448			10,629		678	.184
Lubricating oil.....		1		166		40	(1)
Ores, metals, etc.: Copper.....		32,466	32,466	10,743,649	10,743,649	804	.780
Unclassified.....		59	59	22,066	22,066	130	(1)
Total.....	20,778	32,530	53,308		11,108,556		
Total receipts and shipments.....	745,598	42,305	787,903		20,093,761		
THROUGH WESTBOUND.							
Wood and paper, etc.: Lumber.....	2,751		2,751	81,063	81,063	143	(1)
Nonmetallic minerals.....			108,754		993,894		
Cement.....	5,225			58,781		533	.375
Hard coal.....	17,800			201,674		966	.062
Soft coal.....	39,738			363,603		837	.060
Limestone.....	13,931			43,604		854	.146
Lubricating oil.....		120		16,560		917	.643
Salt.....	30,740			308,322		785	.159
Sand.....	1,200			1,350		706	.177
Ores, metals, etc.: Manufactured iron.....		5,175	5,175	507,150	507,150	957	.617
Machinery and vehicles: Automobiles, etc.....		1,865	1,865	697,510	697,510	970	2.062
Unclassified.....		52,187	52,187	19,230,258	19,230,258	974	.606
Total.....	111,385	59,347	170,732		21,509,875		
THROUGH EASTBOUND.							
Vegetable food products.....			107,939		10,143,358		
Flour.....		68,213		7,844,495		970	.468
Feed.....		2,221		97,613		985	(1)
Grain (except flaxseed and wheat).....	24,003			1,143,289		985	.174
Wheat.....	13,502			1,057,961		984	.163
Textiles: Wool.....		210	210	252,000	252,000	985	(1)
Wood and paper, etc.....			44,390		1,320,902		
Lath.....		225		7,200		985	.784
Lumber.....	43,476			1,281,092		890	.537
Poles.....		188		2,550		60	(1)
Shingles.....		501		30,060		965	.477
Ores, metals, etc.....			20,097		226,250		
Copper.....		410		135,677		963	.661
Iron ore.....	19,667			87,449		850	.126
Zinc.....		20		3,124		917	(1)
Unclassified.....		1,659	1,659	620,466	620,466	970	.608
Total.....	100,648	73,647	174,295		12,562,976		
Total through west and eastbound.....	212,033	132,994	345,027		34,072,851		

1 Freight rate unknown.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign. ¹						Domestic.	
	Local exports.		Through.				Local receipts.	
			Westbound.		Eastbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products.....					4,228	\$348,880	30	\$900
Wood and paper, etc.....			1,275	\$37,570	4,894	88,457	679	20,313
Nonmetallic minerals.....							727,520	6,846,304
Ores, metals, etc.....	4,521	\$1,496,089					764	74,872
Machinery and vehicles.....							152	56,848
Chemicals.....							150	3,708
Unclassified.....			1,400	523,600			5,300	1,982,200
Total.....	4,521	1,496,089	2,675	561,170	8,622	437,337	734,595	8,985,205

Classes of commodities.	Domestic.						Total.	
	Local shipments.		Through.				Tons.	Value.
			Westbound.		Eastbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Vegetable food products.....	4	\$127			107,939	\$10,143,358	112,201	\$10,493,325
Textiles.....					210	252,000	210	252,000
Wood and paper, etc.....	11,232	330,970	2,751	\$81,063	44,390	1,320,902	64,721	1,879,275
Nonmetallic minerals.....	9,547	11,744	108,754	993,894			845,821	7,851,942
Ores, metals, etc.....	32,466	10,743,649	5,175	507,150	20,097	226,250	63,023	13,048,010
Machinery and vehicles.....			1,865	697,510			2,017	754,358
Chemicals.....							150	3,708
Unclassified.....	59	22,066	52,187	19,230,258	1,659	620,466	60,605	22,378,590
Total.....	53,308	11,108,556	170,732	21,509,875	174,295	12,562,976	1,148,748	56,661,208

¹There were no imports.*Vessel classification, 1920.*

(Through and local.)

Vessels east and west bound, arrived and departed.

Class.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steam.....	518	6	524	1,064,111	22,922
Tow barges.....	61		61	45,758	
Tugs and motor.....	322	7	329	13,758	
Total.....	901	13	914	1,123,627	22,922

No record of unregistered vessels.

Decrease in registered tonnage under 1919, 223,977, or 16.62 per cent; decrease in total number of vessels arrived and departed under 1919, 190, or 17.21 per cent.

Value of exports by lake, \$1,496,089.

Greatest draft of vessels passing through waterway, 20 feet 4 inches.

EXPLANATORY NOTES AND GENERAL INFORMATION.

Unit values for items of freight and factors for converting various units of measurement into tons are the same as used in the compilation of Duluth-Superior commerce for 1920, with but few exceptions, any difference being due to the fact that the quality of certain commodities passing through this waterway or originating thereon differs somewhat from the same commodities shipped from Duluth-Superior Harbor. The valuation of such commodities as copper, flaxseed, barley, rye, and wheat being computed by the month, any difference in the relative quantities of these commodities carried through the waterways and shipped from Duluth-Superior would create a difference in the unit price of such commodities.

Six ports within the waterway received and shipped freight in 1920 to the amount of 792,424 short tons, valued \$21,589,850, the principal commodities shipped being copper, general merchandise, lumber, and sand, while the principal commodities received were cement, hard and soft coal, general merchandise, manufactured iron, oils, sand, and unclassified. The following are the names of the different ports, together with the percentage of freight received and shipped at each place: Torch Lake, 55.4 per cent; Hancock, 15.8 per cent; Houghton, 26.4 per cent; Point Mills, 1.2 per cent; Chassell, 0.8 per cent; and Dollar Bay, 0.4 per cent.

BARAGA HARBOR, MICH.

[Navigation season: Opened Apr. 15; closed Nov. 15, 1920.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
SHIPMENTS, INTERNAL.				
Wood and paper: Lumber (2,160,000 feet b. m.)	3,240	3,240	\$55,000	\$55,000

Vessels arrived and departed, 1920.

Class.	American.	Foreign.	Total.	Net registered tonnage.
Steam.....	6	.....	6	3,000
Tow barges.....	4	.....	4	1,200
Tugs.....	10	.....	10	600
Gasoline.....	30	.....	30	(1)
Total.....	50	.....	50	4,800

¹ No record of net registered tonnage.

Greatest draft of vessels entered or departed, about 15 feet. Harbor well sheltered from storms.

L'ANSE HARBOR, MICH.

[Navigation season: Opened May 1; closed Nov. 15, 1920.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
SHIPMENTS, INTERNAL.				
Wood and paper: Lumber (677,000 feet b. m.)	1,016	1,016	\$52,779	\$52,779

Vessels entered and departed.

Class.	Ameri- can.	Foreign.	Total.	Net reg- istered tonnage.	Passen- gers.
Steam.....	4	.....	4	1,552	None.

Greatest draft of vessels entered or departed, 12 feet. Harbor is well protected except from north to northeast winds.

PEQUAMING HARBOR, MICH.

[Navigation season: Opened May 18; closed Nov. 15, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
RECEIPTS.				
Nonmetallic minerals: Coal, soft.....	1,200	11,200	\$12,000	\$12,000
SHIPMENTS.				
Wood and paper, except printed matter.....		25,382		660,070
Lumber.....	22,028		605,363	
Lath.....	299		9,799	
Tan bark (hemlock).....	3,055		44,908	
Total.....	25,382	25,382		660,070
Total receipts and shipments.....	26,582	26,582		672,070

¹ Does not include 4,916,000 feet of logs towed in rafts; valued at \$81,114.

No rate; hauled in owner's boats.

SUMMARY

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals.....	1,200	\$12,000			1,200	\$12,000
Wood and paper, except printed matter.....			25,382	660,070	25,382	660,070
Total.....	1,200	12,000	25,382	660,070	26,582	672,070

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Foreign.	Total.	Net registered tonnage.
Steam.....	22	.....	22	12,570
Tow barges.....	7	.....	7	4,668
Total.....	29	.....	29	17,238

The draft of vessels entering or departing from this harbor varied from 8 to 14 feet.

MARQUETTE BAY, HARBOR OF REFUGE, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1896.....	347,781	\$765,000	1909.....	1,878,129	\$5,696,641
1897.....	1,085,243	2,410,000	1910.....	2,117,649	7,509,398
1898.....	1,155,085	2,500,000	1911.....	1,917,174	3,561,320
1899.....	1,476,787	3,250,000	1912.....	2,609,657	6,969,612
1900.....	1,578,603	3,418,898	1913.....	2,406,762	6,473,469
1901.....	1,787,012	4,153,845	1914.....	1,436,391	3,494,434
1902.....	1,762,886	4,210,231	1915.....	2,419,666	5,620,005
1903.....	1,261,374	3,379,445	1916.....	3,288,095	9,931,194
1904.....	1,232,450	3,521,433	1917.....	2,801,312	11,812,308
1905.....	2,006,786	6,186,030	1918.....	2,945,720	11,493,568
1906.....	1,935,619	5,407,598	1919.....	1,681,668	6,953,660
1907.....	1,904,243	5,319,697	1920.....	3,042,433	14,985,860
1908.....	972,607	2,667,981			

[Navigation season: Opened May 4, 1920; closed Dec. 25, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Ores, metals: Iron ore.....	415,528	415,528	\$1,677,259	\$1,677,259

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
SHIPMENTS.						Miles.
Ores, metals.....		2,626,905		\$13,308,601		
Iron ore.....	2,620,894		\$13,052,052		618	\$0.173
Pig iron.....	6,011		256,549		753	.332
Total.....	2,626,905	2,626,905		13,308,601		

¹ Includes loading and unloading.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Ores, metals.....	415,528	\$1,677,259	2,626,905	\$13,308,601	3,042,433	\$14,985,860

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Foreign.	Total.	Net registered tonnage.
Steam.....	526	143	669	2,689,912
Tow barges.....	13		13	38,746
Total.....	539	143	682	2,728,658

Imports, none; exports, 415,528 tons iron ore valued at \$1,677,259.

No package or freight boats entered. No partial cargoes were loaded or unloaded at this port during the year.

MARQUETTE HARBOR, MICH.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1887.....	894,772	\$7,650,295	1904.....	1,182,084	\$6,559,384
1888.....	932,335	7,971,490	1905.....	1,684,750	7,884,982
1889.....	1,709,913	12,003,589	1906.....	1,119,395	6,388,387
1890.....	1,535,031	10,775,918	1907.....	1,934,738	8,909,051
1891.....	1,283,728	9,011,771	1908.....	1,027,715	5,039,917
1892.....	1,503,480	10,554,430	1909.....	1,741,055	7,106,799
1893.....	1,265,209	8,881,767	1910.....	2,435,791	10,310,406
1894.....	1,620,656	11,377,005	1911.....	1,838,873	8,649,960
1895.....	1,320,050	9,236,751	1912.....	1,577,180	7,156,180
1896.....	1,484,280	12,096,068	1913.....	1,852,229	6,192,889
1897.....	1,434,275	6,316,837	1914.....	794,543	3,016,511
1898.....	1,336,382	6,095,461	1915.....	1,470,233	5,047,197
1899.....	1,443,552	6,821,720	1916.....	1,439,014	6,281,849
1900.....	1,358,453	6,714,850	1917.....	1,191,024	7,214,762
1901.....	1,102,489	3,707,591	1918.....	1,334,979	6,221,000
1902.....	1,347,823	3,672,652	1919.....	997,126	4,560,739
1903.....	1,117,135	6,317,186	1920.....	1,138,165	6,775,024

¹ Estimated.

No record of passengers.

[Navigation season: Opened May 4, 1920; closed Dec. 25, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Rate per ton- mile. ¹
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS.							
Nonmetallic minerals.....			349,666		\$3,269,019	Miles.	
Coal, soft.....	316,351			\$2,894,612		619	\$0.064
Coal, hard.....	32,660			370,038		745	.070
Cement.....		655		4,369		480	.073
Total.....	349,011	655	349,666		3,269,019		
SHIPMENTS.							
Ores, metals, except machinery and vehicles: Iron ore.....	788,499		788,499	3,506,005	3,506,005	632	.109
Total.....	788,499		788,499		3,506,005		
Total receipts and ship- ments.....	1,137,510	655	1,138,165		6,775,024		

¹ Includes loading and unloading.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals.....	349,666	\$3,269,019	.....	.....	349,666	\$3,269,019
Ores, metals.....	.....	.....	788,499	\$3,506,005	788,499	3,506,005
Total.....	349,666	3,269,019	788,499	3,506,005	1,138,165	6,775,024

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Foreign.	Total.	Net re- gistered tonnage.
Steam.....	210	.....	210	675,195
Tow barges.....	33	.....	33	100,974
Total.....	243	.....	243	776,169

Enrolled tonnage 76,287 tons. No record of passengers.

MUNISING HARBOR, MICH.

[Navigation season: Opened Apr. 30; closed Nov. 30, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodi- ties.	By classes.	By commodi- ties.	By classes.
SHIPMENTS, INTERNAL.				
Wood and paper, except printed matter: Lumber.....	1,221	1,221	\$30,000	\$30,000

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Net re- gistered tonnage.
Steamers.....	2	980
Tow barges.....	2	1,140
Total.....	4	2,120

GRAND MARAIS, HARBOR OF REFUGE, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Logs.		Passengers.
			Number.	Value.	
1890.....	9,405	¹ \$99,505			(²)
1891.....	1,356	¹ 14,346			(²)
1892.....	5,020	¹ 53,112			(²)
1893.....	35,450	¹ 375,061			(²)
1894.....	39,250	¹ 415,265			(²)
1895.....	56,208	¹ 594,681			(²)
1896.....	90,497	¹ 499,650			(²)
1897.....	142,536	¹ 1,380,675			(²)
1898.....	³ 103,825	³ 1,176,500	32,000	\$255,000	(²)
1899.....	³ 116,050	³ 1,455,500	35,000	280,000	(²)
1900.....	³ 111,224	³ 1,370,000	24,533	256,000	(²)
1901.....	³ 106,397	³ 1,421,000	7,000	56,998	(²)
1902.....	³ 116,125	³ 2,005,838	9,000	72,000	(²)
1903.....	³ 77,000	³ 1,584,824	4,000	40,000	(²)
1904.....	³ 82,575	³ 1,821,054	1,125	11,250	(²)
1905.....	76,810	2,024,200			(²)
1906.....	103,575	2,508,375			(²)
1907.....	54,525	2,539,780			(²)
1908.....	45,006	1,319,658			(²)
1909.....	36,300	1,204,249			(²)
1910.....	19,520	538,083			(²)
1911.....	13,600	554,580			(²)
1912.....	2,650	183,302			(²)
1913.....	333	49,084			151
1914.....	656	98,600			85
1915.....	710	115,700			400
1916.....	1,280	260,495			(²)
1917.....	1,315	374,390			(²)
1918.....	1,850	340,048			(²)
1919.....	1,030	301,709			(²)
1920.....	315	49,848			(²)

¹ Estimated valuation.² For the years 1898 to 1904 there were 112,658 tons of logs towed, valued at \$971,248, which are not included in the totals for those years.³ No record.

[Navigation season: Opened Apr. 27, 1920; closed Dec. 21, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Value.	
	Bulk.	Package.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products: Fish.....		¹ 185	185	² \$46,250
Nonmetallic minerals: Coal.....	120		120	1,098
Total.....	120	185	305	47,348
SHIPMENTS.				
Animals and animal products: Fish.....		10	10	² 2,500
Total receipts and shipments.....	120	195	315	49,848

¹ Local catch.² Principally trout and whitefish.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	185	\$46,250	10	\$2,500	195	\$48,750
Nonmetallic minerals.....	120	1,098			120	1,098
Total.....	305	47,348	10	2,500	315	49,848

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Net regis- tered tonnage.
Steam.....	74	12,794
Tow barges.....	6	4,014
Gasoline.....	18	374
Total.....	98	17,182

Decrease in net registered tonnage under 1919, 7,206.

Fifteen of the above boats, with a registered tonnage of 5,624, ran into the harbor for shelter.

Greatest draft of vessels entered or departed, 15 feet.

SHELLDRAKE HARBOR, MICH.

[Navigation season: Opened May 3, 1920 closed Nov. 30, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS.					
Vegetable food products.....			512		\$12,288
Corn.....		8		\$450	
Wheat.....		4		338	
Hay.....	500			11,500	
Nonmetallic minerals: Coal.....	900		900	8,135	8,135
Total.....	1,400	12	1,412		20,423
SHIPMENTS.					
Wood and paper.....			19,942		585,852
Lumber.....	19,125			561,000	
Lath.....	817			24,852	
Total.....	19,912		19,942		585,852
Total receipts and shipments.....	21,342	12	21,354		606,275

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable and food products.....	512	\$12,288			512	\$12,288
Wood and paper.....			19,942	\$585,852	19,942	585,852
Nonmetallic minerals.....	900	8,135			900	8,135
Total.....	1,412	20,423	19,942	585,852	21,354	606,275

Vessels arrived and departed, 1920.

Class.	American.	Net registered tonnage.	Passengers.
Steam.....	20	15,780	
Tow barges.....	8	2,800	783
Gasoline.....	90	900	
Total.....	118	19,480	1 783

¹ Excursionists.

Greatest draft of vessels entered or departed, 14 feet. No Government improvements.

EMERSON HARBOR, MICH.

[Navigation season: Opened May 4; closed Nov. 28, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Vegetable food products.....			202		\$5,200
Food.....		10		\$550	
Oats.....		24		1,050	
Hay.....	150			3,000	
Potatoes.....		18		600	
Nonmetallic minerals: Coal, soft.....	10		10	120	120
Unclassified.....		150	150	4,500	4,500
Total.....	160	202	362		9,820
SHIPMENTS, INTERNAL.					
Animals and animal products: Fish.....		400	400	120,000	120,000
Wood and paper, except printed matter.....			5,300		55,200
Lumber.....	75			2,000	
Posts.....	1,250			10,000	
Poles.....	625			15,000	
Pulp wood.....	2,000			12,000	
Railway ties.....	750			7,200	
Tan bark.....	600			9,000	
Total.....	5,300	400	5,700		175,200
Total receipts and shipments.....	5,460	602	6,062		185,020

¹ Does not include 2,000 cords of pulp wood exported by raft, valued at \$24,000, nor 1,000,000 feet of logs shipped by raft, valued at \$25,000.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....			400	\$120,000	400	\$120,000
Vegetable food products.....	202	\$5,200			202	5,200
Wood and paper.....			5,300	55,200	5,300	55,200
Nonmetallic minerals.....	10	120			10	120
Unclassified.....	150	4,500			150	4,500
Total.....	362	9,820	5,700	175,200	6,062	185,020

Vessels arrived and departed, 1920.

Class.	American.		Foreign.		Total.	
	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Registered tonnage.
Steam.....	10	3,300			10	3,300
Tow barges.....	14	4,200			14	4,200
Tugs.....	20	1,440	3	450	23	1,890
Gasoline.....	112	1,545			112	1,545
Total.....	156	10,485	3	450	159	10,935

Greatest draft of vessels entered or departed, about 13 feet.

WARROAD HARBOR, MINN.

Comparative statement of traffic.

[Exclusive of rafted logs, etc.]

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1899.....	600	(¹)		1910.....	14,600	(¹)	
1900.....	1,469	(¹)		1911.....	2,400	\$214,000	9,200
1901.....	3,325	(¹)		1912.....	1,900	(¹)	
1902.....	4,881	(¹)		1913.....	2,665	321,000	12,000
1903.....	11,694	(¹)		1914.....	3,385	314,120	10,495
1904.....	12,683	(¹)		1915.....	2,210	337,280	10,250
1905.....	24,167	(¹)		1916.....	2,363	360,640	10,250
1906.....	32,684	(¹)		1917.....	3,076	472,880	8,240
1907.....	2,000	(¹)		1918.....	2,106	322,680	5,300
1908.....	2,600	(¹)		1919.....	3,253	562,070	15,960
1909.....	27,000	(¹)		1920.....	8,811	528,024	9,725

[Additional traffic, towed in rafts.]

Year.	Logs, poles, and posts, feet b. m.	Value.	Year.	Logs, poles, and posts, feet b. m.	Value.
1911.....	4,000,000	\$80,000	1916.....		
1912.....			1917.....	1,200,000	\$21,600
1913.....	2,133,000	34,100	1918.....	1,360,000	27,000
1914.....	11,200,000	179,200	1919.....	4,156,000	83,125
1915.....	2,240,000	35,840	1920.....	345,000	6,900

¹No record available.

1024 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

[Navigation season: Opened May 18; closed Nov. 7, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Fish.....	1,425	1,425	\$162,450	\$162,450
Wood and paper: Posts and poles, 80,000 pieces.....	4,300	4,300	31,720	31,720
Total		5,725		194,170
EXPORTS.				
General merchandise: Camp supplies.....	530	530	53,000	53,000
Total imports and exports		6,255		247,170

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL.						
Animals and animal products: Fish.....	959	959	\$109,326	\$109,326	Miles. 40	Cents. \$0.25
Vegetable food products: Farm products.....	10	10	800	800	20	.10
Total	969	969		\$110,126		
SHIPMENTS, INTERNAL.						
Vegetable food products.....		106		31,092		
Flour (215 barrels).....	21		2,472		20	.125
Groceries.....	75		28,050		20	.15
Oats.....	10		570		25	.12
Wood and paper: Lumber, 80,000 feet b. m....	120	120	3,536	3,536	40	.075
Unclassified: General merchandise.....	1,361	1,361	136,100	136,100	25	.12
Total	1,587	1,587		170,728		
Total receipts and shipments.....	2,556	2,556		280,854		

¹ Includes icing.

² Does not include 18,000 poles and posts towed in rafts, valued at \$6,900.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products.....	1,425	\$162,450			959	\$109,326			2,384	\$271,776
Vegetable food products.....					10	800	106	\$31,092	116	31,892
Wood and paper.....	4,300	31,720					120	3,536	4,420	35,256
Unclassified (general merchandise).....			530	\$53,000			1,361	136,100	1,891	189,100
Total	5,725	194,170	530	53,000	969	110,126	1,587	170,728	8,811	528,024

¹ Does not include 18,000 poles and posts towed in rafts, valued at \$6,900.

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Foreign.	Total.	Net reg- istered tonnage.	Passen- gers.
Steam.....	118	152	270	4, 896	.....
Tugs.....	314	.....	314	4, 340	.....
Gasoline launches.....	1, 700	.....	1, 700	(1)	.....
Total.....	2, 132	152	2, 284	9, 236	9, 725

¹ No record of launches.

Average draft about 2 feet for launches.

Greatest draft of vessels entered or departed, 6 feet.

Revenue collected, by lake (estimated).....	\$813. 31
Imports.....	57. 684. 00
Exports.....	94. 807. 00

ZIPPEL BAY, MINN.

Comparative statement of traffic.

[Exclusive of rafted logs, etc.]

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910.....	180	(1)	.....	1916.....	427	\$74, 840	2, 665
1911.....	420	(1)	3, 650	1917.....	926	92, 680	5, 400
1912.....	620	\$90, 000	2, 280	1918.....	177	23, 760	4, 550
1913.....	730	109, 600	1, 780	1919.....	410	133, 172	5, 400
1914.....	1, 398	139, 880	825	1920.....	420	63, 400	2, 250
1915.....	775	81, 500	2, 540				

[Additional traffic, towed in rafts.]

Year.	Logs, poles, and ties.	Value.	Year.	Logs, poles, and ties.	Value.
1913.....feet b. m.	1, 800, 000	\$28, 800	1917 ¹.....feet b. m.	1, 350, 000	\$27, 000
1914.....do.	11, 450, 000	183, 200	1918.....do.	2, 089, 000	334, 250
1915 ¹.....	.....	.....	1919.....pieces	15, 600	5, 980
1916 ¹.....	.....	.....	

¹ No record available.

[Navigation season: Opened May 18; closed Nov. 7, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL.						
Animal and animal products: Fish.....	130	130	\$14,820	\$14,820	<i>Miles.</i> 25	¹ \$0.40
Vegetable food products: Groceries.....	70	70	26,180	26,180	25	.12
Unclassified: General merchandise.....	70	70	7,000	7,000	28	1.25
Total.....	270	270		48,000		
SHIPMENTS, INTERNAL.						
Animal and animal products: Fish.....	100	100	11,400	11,400	25	¹ .40
Vegetable food products: Farm produce.....	50	50	4,000	4,000	25	.12
Total.....	150	² 150		² 15,400		
Total receipts and shipments.....	420	420		63,400		

¹ Includes icing.² Does not include 15,600 pieces of poles and posts towed in rafts; valued at \$5,980.

SUMMARY.

Classes of commodities.	Internal.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products.....	130	\$14,820	100	\$11,400	230	\$26,220
Vegetable food products.....	70	26,180	50	4,000	120	30,180
Unclassified: General merchandise.....	70	7,000			70	7,000
Total.....	270	48,000	150	15,400	¹ 420	¹ 63,400

¹ Does not include 15,600 pieces of posts and poles towed in rafts; valued at \$5,980.*Vessels arrived and departed, 1920.*

Class.	American.	Net registered tonnage.
Steam.....	126	2,528
Gasoline.....	1,158	(¹)
Total.....	1,284	2,528

¹ Unknown, not registered.

Number of passengers arrived and departed, 2,250, principally excursionists from Warroad and Baudette.

Greatest draft of boats entered or departed, 6 feet. Gasoline launches using this harbor have a draft of 2 to 4 feet.

MILWAUKEE, WIS., DISTRICT.

MANISTIQUE HARBOR, MICH.

Comparative statement of traffic.

Year.	General vessel traffic.		Car-ferry traffic.		Passengers.
	Tons.	Value.	Tons.	Value.	
1909.....	74,660	\$900,322	183,998	\$5,950,990	28
1910.....	80,104	921,950	185,000	5,950,000	130
1911.....	79,606	796,735	198,988	4,606,100	225
1912.....	79,881	715,900	208,000	4,683,000	250
1913.....	34,258	414,900	220,155	4,880,000	700
1914.....	44,265	613,422	207,031	4,078,455	1,200
1915.....	20,222	253,627	273,291	3,460,161	160
1916.....	24,452	375,742	329,322	7,114,948	427
1917.....	16,608	357,723	425,705	12,082,151	(¹)
1918.....	10,799	311,889	438,060	16,035,000	1,593
1919.....	6,580	157,500	375,838	13,900,000	250
1920.....	1,535	108,100	304,745	16,514,100	500

¹ No statistics available.

[Navigation season: Opened Jan. 1, 1920; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

[Car-ferry traffic not included.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton mlie.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		185	185	\$56,100	\$56,100	Miles. 17	(1)
SHIPMENTS, INTERNAL.							
Wood and paper: Lumber.....	1,350		1,350	52,000	52,000	492	\$0.0092
Total receipts and shipments..	1,350	185	1,535		108,100		

¹ No rate; local catch.[Via car ferry.]²

Commodities.	Amount in short tons. ²	Value.
RECEIPTS, INTERNAL.		
Coal.....	34,545	\$310,000
Unclassified.....	41,056	5,550,000
Total.....	75,601	5,860,000
SHIPMENTS, INTERNAL.		
Broom handles.....	800	100,000
Flour.....	3,658	420,000
Grain.....	370	17,700
Lumber.....	44,828	1,150,000
Tin-plate boxes.....	820	36,400
Unclassified.....	178,668	8,930,000
Total.....	229,144	10,654,100
Total receipts and shipments.....	304,745	16,514,100

² Average haul, 91 miles; average rate per ton-mile, \$0.0042.³ Exclusive of dead weight of cars.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

	Number and dead weight, cars.	
	Number.	Short tons.
Received:		
Empty cars.....	2,629	44,663
Loaded cars.....	1,988	33,796
Total.....	4,617	78,459
Shipped:		
Empty cars.....	390	6,630
Loaded cars.....	7,363	125,171
Total.....	7,753	131,801
Total received and shipped.....	12,370	210,260

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	185	\$56,100
Wood and paper.....	1,350	52,000
Total.....	1,535	108,100

Car ferry, short tons, 304,745; value, \$16,514,100.

Vessel classification, 1920.

Classes.	Ameri- can.	Net regis- tered tonnage.
Registered (arrivals only): ¹		
Steamers.....	281	467,158
Sailing.....	1	474
Total.....	282	467,632

¹ Departures equal arrivals.

Passengers arrived and departed, 500 (estimated).

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

The Ann Arbor Railroad operates a regular line of car ferries between this port and Frankfort, Mich., throughout the year.

GLADSTONE HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1902.....	553,745	(1)	(1)	1908.....	558,098	(1)	(1)
1904.....	494,236	(1)	(1)	1909.....	469,981	\$22,909,550	(1)
1905.....	567,713	(1)	(1)	1910.....	461,368	14,748,575	100
1906.....	527,193	(1)	(1)	1911.....	449,223	12,874,800	100
1907.....	549,270	(1)	(1)	1920.....	107,100	882,650	

¹ No statistics available; also none available for years omitted.

[Navigation season: Opened Apr. 20; closed Nov. 29, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		95	95	\$16, 110	\$16, 110	Miles. 12	(1)
Nonmetallic minerals.....			106, 065		850, 460		
Coal, hard.....	2, 039			25, 530		709	\$0. 00282
Coal, soft.....	104, 026			824, 930		578	. 0010
Total.....	106, 065	95	106, 160		866, 570		
SHIPMENTS, INTERNAL.							
Wood and paper: Lumber.....	940		940	16, 080	16, 080	63	. 0445
Total receipts and shipments.	107, 005	95	107, 100	.....	882, 650	.....	.....

¹ No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	95	\$16, 110
Wood and paper.....	940	16, 080
Nonmetallic minerals.....	106, 065	850, 460
Total.....	107, 100	882, 650

Vessel classification.

Classes.	American.	Net registered tonnage.
Registered (arrivals only), steamers.....	21	51, 025

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

No regular boat line operates to this port.

The usual limit of draft for coal carrying vessels, comprising 99 per cent of the traffic, is 18 feet, the draft of the remaining 1 per cent being 12 feet.

ESCANABA HARBOR, MICH.

[Navigation season: Opened Apr. 20; closed Nov. 29, 1920.]

Freight traffic, 1920.

FOREIGN.¹

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper.....		1,840		\$191,580
Posts, cedar.....	250		\$3,800	
Sulphite wood pulp.....	1,500		187,500	
Wood.....	90		280	
Total.....		1,840		191,580
EXPORTS.				
Wood and paper: Lumber.....	3,400	3,400	66,000	66,000
Ores, metals, and manufactures of, except machinery and vehicles: Ore, iron.....	351,285	351,285	1,756,450	1,756,450
Total.....		354,685		1,822,450
Total imports and exports.....		356,525		2,014,030

DOMESTIC.¹

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish.....		59	59	\$7,750	\$7,750	Miles. 14	(²)
Wood and paper.....			830		7,520		
Posts, cedar.....	350			5,400		55	\$0.0363
Wood.....	480			2,120		55	.0182
Nonmetallic minerals.....			224,228		1,655,960		
Cement.....		2,400		60,000		286	.0174
Coal, hard.....	17,756			202,600		689	.00080
Coal, soft.....	203,952			1,390,950		512	.00107
Salt.....		120		2,400		112	.018
Total.....	222,538	2,579	225,117		1,671,220		
SHIPMENTS, INTERNAL.							
Wood and paper: Lumber.....	17,351		17,351	614,000	614,000	257	.0137
Ores, metals, and manufactures of, except machinery and vehicles: Ore, iron.....	7,009,784		7,009,784	35,048,900	35,048,900	524	.00152
Total.....	7,027,135		7,027,135		35,662,900		
Total receipts and shipments.....	7,249,673	2,579	7,252,252		37,334,120		

¹ Includes Wells, Mich.² No rate; local catch.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic, internal.	
	Imports.		Exports.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....					59	\$7,750
Wood and paper.....	1,840	\$191,580	3,400	\$66,000	18,181	621,520
Nonmetallic minerals.....					224,228	1,655,950
Ores, metals, and manufactures of, except machinery and vehicles.....			351,285	1,756,450	7,009,784	35,048,900
Total.....	1,840	191,580	354,685	1,822,450	7,252,252	37,334,120

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered (arrivals only):		
Steamers.....	1,139	3,917,051
Sailing.....	3	378
Unrigged.....	14	42,932
Total.....	1,156	3,960,361

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats. of which no records are kept.

Departures equal arrivals. No regular boat line operates to this port.

The usual drafts for iron ore and coal carrying vessels, comprising practically the entire traffic, is 19 feet.

MENOMINEE HARBOR AND RIVER, MICH. AND WIS.

(INCLUDING MARINETTE, WIS.)

Comparative statement of traffic.

Year.	General vessel traffic.		Car-ferry traffic.		Passengers.
	Tons.	Value.	Tons.	Value.	
1909 ¹	202,166	\$4,197,120	117,684	\$951,650	5,864
1910.....	227,449	5,767,334	147,172	3,179,721	7,277
1911.....	170,640	1,807,090	135,863	3,446,850	5,000
1912.....	374,086	3,364,833	136,228	4,899,989	5,850
1913.....	347,141	3,694,401	123,059	5,700,673	7,250
1914.....	298,517	2,937,070	149,211	5,605,650	7,960
1915.....	278,632	2,235,120	178,585	6,150,653	2,871
1916.....	233,025	2,323,726	248,954	8,418,215	2,711
1917.....	187,939	3,235,355	382,374	12,537,477	2,375
1918.....	170,988	2,996,617	288,309	17,019,379	1,879
1919.....	156,438	1,508,950	278,203	11,488,200	1,000
1920.....	215,005	2,283,160	200,729	16,235,000	2,740

¹ No statistics available prior to 1909.

[Navigation season: Opened Apr. 7, closed Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper.....		4,750		\$128,700
Lumber.....	2,678		\$94,000	
Posts, fence.....	1,540		22,000	
Ties, railroad.....	532		12,700	
Total.....		4,750		128,700
EXPORTS.				
Wood and paper: Lumber.....	405	405	4,700	1,700
Total imports and exports.....		5,155		133,400

DOMESTIC.

[Car-ferry traffic not included.]

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair.....			2,149		\$149,100	Miles.	
Fish, fresh.....		486		\$41,800		13	(1)
Fish, salt.....		1,663		104,300		35	\$0.814
Vegetable food products, oil seeds, expressed oils and beverages.....			960		28,950		
Hay.....		661		16,500		25	.120
Potatoes.....		299		12,450		30	.117
Wood and paper.....			17,919		475,170		
Lumber.....	11,374			401,470		87	.0322
Posts, fence.....	4,126			57,500		37	.081
Ties, railroad.....	245			5,000		30	.100
Wood, box and excelsior.....	2,174			11,200		41	.031
Nonmetallic minerals.....			179,827		1,230,940		
Cement.....		4,411		111,000		252	.0071
Coal, hard.....	17,932			191,870		719	.00132
Coal, soft.....	109,780			861,770		533	.00122
Salt.....		265		6,200		86	.0194
Sand and gravel.....	15,152			11,400		10	.030
Stone, crushed.....	25,142			34,500		167	.0027
Stone lime.....	7,115			14,200		260	.0019
Unclassified.....		750	750	95,000	95,000	63	.114
Total.....	193,040	8,565	201,605		1,979,160		
SHIPMENTS, INTERNAL.							
Wood and paper.....			6,255		17,200		
Lumber.....	5,739			14,800		343	.0087
Wood.....	525			2,400		77	.0196
Nonmetallic minerals.....			778		16,100		
Cement.....		313		7,800		18	.010
Salt.....		165		8,600		25	.090
Unclassified.....		1,212	1,212	137,000	137,000	48	.091
Total.....	6,255	1,990	8,245		170,600		
Total receipts and shipments.....	199,295	10,555	209,850		2,149,760		

¹ No rate; local catch.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

[Via car-ferry.] ¹

Commodities.	Amounts in short tons. ²	Value.
RECEIPTS, INTERNAL.		
Coal.....	19,355	\$175,000
Unclassified.....	85,984	11,650,000
Total.....	105,339	11,825,000
SHIPMENTS, INTERNAL.		
Flour.....	434	50,000
Lumber.....	38,892	1,000,000
Unclassified.....	56,064	3,380,000
Total.....	95,390	4,410,000
Total receipts and shipments.....	200,729	16,235,000

¹ Average haul, 80 miles; average rate per ton-mile, \$0.0017.² Exclusive of dead weight of cars.

	Number and dead-weight cars.	
	Number.	Short tons.
Received:		
Empty cars.....	437	7,429
Loaded cars.....	3,082	52,394
Total.....	3,519	59,823
Shipped:		
Empty cars.....	857	14,569
Loaded cars.....	3,155	53,635
Total.....	4,012	68,204
Total received and shipped.....	7,531	128,027

SUMMARY.

Classes of commodities.	Foreign.				Domestic, internal.	
	Imports.		Exports.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....					2,149	\$149,100
Vegetable food products, oilseeds, expressed oils, and beverages.....					990	28,950
Wood and paper.....	4,750	\$128,700	405	\$4,700	24,174	492,370
Nonmetallic minerals.....					180,605	1,247,340
Unclassified.....					1,962	232,000
Totals.....	4,750	128,700	405	4,700	209,850	2,149,760

Car ferry, short tons, 200,729; value, \$16,235,000.

Vessel classification, 1920.

Classes.	Ameri- can.	Net reg- istered tonnage.
Registered (arrivals only): ¹		
Steamers.....	526	378, 963
Sailing and unrigged.....	23	12, 314
Total.....	549	391, 297

¹ Departures equal arrivals.

Passengers arrived and departed, 2,740.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

The Ann Arbor Railroad Co. operated a regular line of car ferries between Menominee and Frankfort, Mich.

The Hill Steamboat Line operated a regular line of package freight steamers to this port three days a week during the navigation season.

OCONTO HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.....	179, 812	\$329, 000	(¹)	1906.....	5, 725	(¹)	(¹)
1890.....	151, 100	975, 000	(¹)	1908.....	302	(¹)	(¹)
1891.....	89, 706	(¹)	(¹)	1912.....	376	\$15, 661	1, 100
1892.....	233, 885	3, 653, 500	(¹)	1913.....	312	7, 970	230
1893.....	557, 743	992, 100	(¹)	1914.....	2, 811	94, 515	250
1895.....	75, 205	1, 738, 450	(¹)	1915.....	3, 400	169, 330	(¹)
1896.....	161, 091	1, 936, 875	(¹)	1916.....	5, 292	335, 120	(¹)
1897.....	116, 263	676, 000	(¹)	1917.....	7, 373	1, 472, 141	(¹)
1900.....	74, 272	1, 476, 482	(¹)	1918.....	4, 177	943, 415	(¹)
1902.....	50, 433	(¹)	(¹)	1919.....	1, 932	74, 720	(¹)
1903.....	43, 003	(¹)	(¹)	1920.....	1, 470	58, 950	(¹)

¹ No statistics available; also none available for years omitted.

[Navigation season: Opened Apr. 7; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh		385	385	\$27, 600	\$27, 600	Miles. 9	(1)
Wood and paper: Lumber	175		175	3, 500	3, 500	26	\$0.0961
Nonmetallic minerals			660		10, 350		
Coal, soft	400			4, 000		32	.0234
Salt		260		6, 350		96	.174
Total	575	645	1, 220		41, 450		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, salted		250	250	17, 500	17, 500	26	.12
Total receipts and shipments.	575	895	1, 470		58, 950		

¹ No rate; local catch.

Freight traffic, 1920—(Continued).

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	635	\$45,100
Wood and paper.....	175	3,500
Nonmetallic minerals.....	660	10,350
Total.....	1,470	58,950

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered (arrivals only) steamers.....	6	274

No unregistered craft; no records kept for about 30 local gasoline fishing boats or for about 15 gasoline fishing boats from Pensaukee, which frequently use this harbor. Departures equal arrivals.

There is no established line of steamers making this port.

GREEN BAY HARBOR, WIS.

OUTER CHANNEL TO CITY OF GREEN BAY.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.....	157,521	(1)	(1)	1907.....	838,384	(1)	(1)
1890.....	174,886	(1)	(1)	1908.....	659,077	(1)	(1)
1891.....	216,206	(1)	(1)	1909.....	686,313	\$4,584,890	9,400
1892.....	220,008	(1)	(1)	1910.....	977,590	5,369,787	10,250
1894.....	391,372	(1)	(1)	1911.....	751,326	7,609,500	10,006
1896.....	563,292	(1)	(1)	1912.....	748,148	7,744,230	8,750
1898.....	392,718	\$5,450,600	(1)	1913.....	863,439	10,748,461	8,300
1899.....	421,384	12,000,000	(1)	1914.....	898,008	9,974,607	10,750
1900.....	517,272	12,000,000	(1)	1915.....	821,106	8,381,041	1,460
1901.....	1,159,926	(1)	(1)	1916.....	858,435	5,514,043	3,011
1902.....	1,135,498	(1)	(1)	1917.....	971,335	8,622,141	2,425
1903.....	1,387,806	(1)	(1)	1918.....	1,090,992	8,035,905	417
1904.....	1,524,214	(1)	(1)	1919.....	966,435	7,913,430	24
1905.....	1,674,730	(1)	(1)	1920.....	1,127,774	10,678,140	2,877
1906.....	957,479	(1)	(1)				

¹ No statistics available; also none available for years omitted.

[Navigation season: Opened Apr. 6: closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		999	999	\$57,240	\$57,240	Miles 14	(1)
Wood and paper.....			47,225		233,600		
Lumber.....	225			8,000		49	\$0.057
Pulp wood.....	47,000			225,600		110	.0082
Nonmetallic minerals.....			867,876		7,836,300		
Cement.....		14,446		365,000		288	.0059
Coal, hard.....	71,614			793,500		763	.000957
Coal, soft.....	679,272			5,020,000		592	.000997
Gasoline.....	25,700			1,200,000		271	.00343
Kerosene.....	14,650			335,000		271	.00306
Salt.....		720		17,400		114	.0147
Sand.....	932			1,400		65	.010
Stone, crushed.....	60,542			104,000		218	.0032
Unclassified.....		1,628	1,628	245,000	245,000	60	.119
Total.....	899,935	17,793	917,728		8,372,140		
SHIPMENTS, INTERNAL.							
Vegetable food products, oilseeds, expressed oils, and beverages: Groceries.....		1,100	1,100	374,000	374,000	60	.113
Nonmetallic minerals.....			207,997		1,811,000		
Coal, hard.....	8,721			113,400		55	.017
Coal, soft.....	198,770			1,679,600		31	.024
Gasoline and kerosene.....		506		18,000		80	.033
Unclassified.....		949	949	121,000	121,000	98	.063
Total.....	207,491	2,555	210,046		2,306,000		
Total receipts and shipments.....	1,107,426	20,348	1,127,774		10,678,140		

¹ No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	999	\$57,240
Vegetable food products, oilseeds, expressed oils, and beverages.....	1,100	374,000
Wood and paper.....	47,225	233,600
Nonmetallic minerals.....	1,075,873	9,647,300
Unclassified.....	2,577	366,000
Total.....	1,127,774	10,678,140

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.	Passengers. ¹
Registered (arrivals only):²			
Steamers.....	854	444,557	2,877
Unrigged.....	534	123,998	
Total.....	1,388	568,555	2,877

¹ Passengers arrived and departed, 2,877.² Departures equal arrivals.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

The Hill Steamboat Line operated a regular line of steamers three days a week between the city of Green Bay and Green Bay ports throughout the navigation season.

INNER CHANNEL TO CITY OF DEPERE, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1909.....	28,458	\$332,743	100	1915.....	34,068	\$154,536	(¹)
1910.....	32,859	472,900	275	1916.....	38,908	176,338	525
1911.....	29,419	172,785	100	1917.....	30,203	172,668	325
1912.....	32,351	220,077	130	1918.....	23,059	156,538	
1913.....	46,161	228,379	125	1919.....	21,307	118,470	
1914.....	44,724	224,506	2,575	1920.....	13,626	128,070	

¹ No statistics available.

[Navigation season: Opened Apr. 13; closed Dec. 10, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, rough.		60	60	\$3,300	\$3,300	Miles. 3	(¹)
Nonmetallic minerals.			13,566		119,770		
Coal, hard.	1,080			15,660		769	\$0.00195
Coal, soft.	8,801			88,010		74	.00885
Salt.		460		11,100		118	.0142
Stone, crushed.	3,225			5,000		50	.010
Total.	13,106	520	13,626		123,070		
Total receipts and shipments of outer and inner channels.	1,120,532	20,868	1,141,400		10,801,210		

¹ No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	60	\$3,300
Nonmetallic minerals.....	13,566	119,770
Total.....	13,626	123,070
Total outer and inner channels.....	1,141,400	10,801,210

Vessel classification, 1920.

Classes.	Ameri- can.	Net reg- istered tonnage.
Registered (arrivals only):		
Steamers.....	20	1,483
Unrigged.....	17	6,952
Total.....	37	8,435

No unregistered craft except gasoline pleasure boats, of which no records are kept.
Departures equal arrivals.

FOX RIVER, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.....	346,475	(1)	24,643	1903.....	263,589	(1)	66,174
1890.....	389,291	(1)	20,760	1906.....	316,040	(1)	61,592
1891.....	262,888	(1)	37,226	1907.....	284,732	(1)	42,788
1892.....	291,300	(1)	43,673	1908.....	255,589	(1)	35,156
1893.....	202,443	(1)	50,134	1909.....	215,118	\$1,437,714	60,356
1894.....	290,624	(1)	23,704	1910.....	233,002	1,481,225	26,220
1895.....	229,109	(1)	45,595	1911.....	170,313	736,617	65,557
1896.....	148,110	(1)	22,576	1912.....	145,890	634,362	64,465
1897.....	191,236	(1)	29,616	1913.....	134,638	724,972	81,785
1898.....	217,745	(1)	36,183	1914.....	141,366	838,637	89,623
1899.....	230,081	(1)	32,819	1915.....	149,872	815,659	73,085
1900.....	309,800	(1)	34,415	1916.....	167,548	914,202	63,971
1901.....	263,720	(1)	36,179	1917.....	161,060	1,293,465	51,261
1902.....	265,298	(1)	57,399	1918.....	165,936	1,356,539	24,470
1903.....	300,307	(1)	72,820	1919.....	253,877	2,117,255	34,458
1904.....	281,353	(1)	43,276	1920.....	272,733	2,298,620	20,657

¹ No statistics available.

[Navigation season: Opened Apr. 12, closed Nov. 25, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Animals and animal products, except wool and hair: Cheese.....		219	219	\$175,600	\$175,600	Miles. 26	\$0.079
Vegetable food products, oilseeds, expressed oils, and beverages.....			2,639		34,520		
Grain.....		69		3,680		24	.069
Sugar beets.....	2,570			30,840		12	.086
Wood and paper: Lumber.....	1,389		1,389	68,190	68,190	22	.073
Nonmetallic minerals.....			215,218		1,858,790		
Cement.....		496		11,025		16	.063
Clay.....	14,891			8,273		13	.029
Coal, hard.....	8,721			117,734		55	.017
Coal, soft.....	191,012			1,720,008		32	.024
Salt.....		98		1,750		29	.062
Unclassified.....		323	323	29,585	29,585	25	.062
Total.....	218,583	1,205	219,788		2,166,655		

Freight traffic, 1920--Continued.

DOMESTIC--Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND, INTERNAL.							
Vegetable food products, oilseeds, expressed oils, and beverages			1,852	\$25,650	\$49,710	Miles.	Cents.
Hay, baled		950		24,060		31	.048
Potatoes		902				25	.106
Nonmetallic minerals			51,020		77,602		
Brick	1,230			9,940		20	.039
Pulp plaster		92		1,840		17	.090
Sand and gravel	48,888			64,966		11	.046
Stone, crushed	810			936		14	.030
Unclassified		73	73	4,623	4,623	19	.100
Total	50,928	2,017	52,945		131,935		
Total upbound and downbound	269,511	3,222	272,733		2,298,620		

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair	219	\$175,600
Vegetable food products, oilseeds, expressed oils, and beverages	4,491	84,230
Wood and paper	1,389	68,190
Nonmetallic minerals	266,238	1,636,382
Unclassified	396	34,208
Total	272,733	2,298,620

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers and launches	11	531
Unrigged	9	1,090
Unregistered, oil burners (tugs)	2	
Total	22	1,621

Passengers carried, upbound and downbound, 20,657.

No records kept of about 300 to 400 gasoline pleasure boat, operating on the river.

Three large transportation companies operate vessels on the river.

STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WIS.

Comparative statement of traffic.

Year.	General vessel traffic.		Car-ferry traffic.		Total traffic.		Passengers.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	
1889.....	(1)	(1)	(1)	(1)	421,875	(1)	(2)
1890.....	(1)	(1)	(1)	(1)	641,376	(1)	(2)
1892.....	(1)	(1)	(1)	(1)	790,335	\$10,339,860	(2)
1893.....	(1)	(1)	(1)	(1)	724,554	11,412,796	9,338
1894.....	(1)	(1)	(1)	(1)	403,155	12,328,291	11,159
1895.....	(1)	(1)	(1)	(1)	810,970	12,171,904	10,989
1896.....	(1)	(1)	(1)	(1)	830,370	14,224,430	9,700
1897.....	(1)	(1)	(1)	(1)	948,605	14,110,690	8,863
1898.....	(1)	(1)	(1)	(1)	725,124	13,765,710	12,328
1899.....	(1)	(1)	(1)	(1)	898,384	17,289,961	14,096
1900.....	(1)	(1)	(1)	(1)	858,478	15,974,830	17,431
1901.....	(1)	(1)	(1)	(1)	906,138	22,469,102	16,241
1902.....	(1)	(1)	(1)	(1)	638,535	21,947,886	15,861
1903.....	(1)	(1)	(1)	(1)	604,798	18,936,372	18,627
1904.....	(1)	(1)	(1)	(1)	563,352	18,329,399	12,316
1905.....	(1)	(1)	(1)	(1)	617,210	21,034,469	14,899
1906.....	(1)	(1)	(1)	(1)	691,414	20,340,763	17,362
1907.....	(1)	(1)	(1)	(1)	780,883	21,011,696	11,913
1908.....	(1)	(1)	(1)	(1)	699,925	18,261,455	13,141
1909.....	(1)	(1)	(1)	(1)	711,712	17,926,985	19,149
1910.....	(1)	(1)	(1)	(1)	665,932	16,516,858	23,895
1911.....	(1)	(1)	(1)	(1)	571,773	13,074,061	20,426
1912.....	(1)	(1)	(1)	(1)	568,105	12,757,509	15,963
1913.....	(1)	(1)	(1)	(1)	548,060	12,331,535	14,641
1914.....	(1)	(1)	(1)	(1)	499,634	12,217,524	12,511
1915.....	(1)	(1)	(1)	(1)	539,695	11,956,223	8,777
1916.....	(1)	(1)	(1)	(1)	630,416	16,283,704	12,531
1917.....	(1)	(1)	(1)	(1)	720,803	23,228,344	8,074
1918.....	168,445	\$4,539,615	267,929	\$16,099,628	436,384	20,639,243	6,917
1919.....	124,142	3,232,930	242,188	11,296,640	366,330	14,529,570	8,759
1920.....	198,076	3,298,000	183,858	14,423,300	381,934	17,721,300	6,077

¹ Division between general and car-ferry traffic unknown.² No statistics available; also none available for year omitted.

[Navigation season: Opened Apr. 18, closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

[Car-ferry traffic not included.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
WESTBOUND, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		261	261	\$41,630	\$41,630	Miles. 15	(1)
Nonmetallic minerals.....			95,812		2,019,170		
Cement.....		11,859		295,000		260	\$0.00665
Coal, soft.....	14,683			121,000		570	.00142
Gasoline.....	25,700			1,200,000		271	.00343
Kerosene.....	14,650			335,000		271	.00306
Salt.....		1,060		24,970		110	.0158
Stone, crushed.....	27,860			43,200		37	.0135
Unclassified.....	200	1,136	1,336	170,000	170,000	43	.1070
Total.....	83,093	14,316	97,409		2,230,800		

¹ No rate; local catch.

Freight traffic, 1920—(Continued.)

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
EASTBOUND, INTERNAL.							
Vegetable food products, oil seeds, expressed oils and beverages:						<i>Miles.</i>	
Fruit, fresh.....		890	890	\$89,000	\$89,000	35	\$0.200
Wood and paper.....			9,008		323,780		
Lumber.....	7,970			318,800		268	.013
Pulp wood.....	1,038			4,980		211	.0085
Nonmetallic minerals.....			88,637		419,420		
Cement.....		8,395		153,000		394	.0025
Coal, hard.....	10,921			139,560		818	.00171
Stone, crushed.....	69,321			126,860		105	.007
Unclassified.....	315	1,817	2,132	235,000	235,000	63	.0883
Total.....	89,565	11,102	100,667		1,067,200		
Total westbound and east-bound.....	172,658	25,418	198,076		3,298,000		

[Via car-ferry.] ¹

Commodities.	Amount in short tons. ²	Value.
WESTBOUND, INTERNAL.		
Asphalt.....	340	\$13,800
Automobiles and parts.....	4,725	4,750,000
Coal, hard and soft.....	15,084	135,700
Iron, manufactured.....	29,402	2,610,000
Lime.....	400	4,000
Lumber.....	665	17,000
Paper.....	371	93,000
Salt.....	2,010	20,000
Sugar.....	601	120,000
Unclassified.....	35,169	2,250,000
Total.....	88,468	10,013,300
EASTBOUND, INTERNAL.		
Bark, tan.....	275	4,000
Beets.....	260	3,000
Brick.....	310	2,500
Carriages.....	267	67,000
Logs.....	1,800	18,000
Lumber.....	69,254	1,780,000
Paper.....	1,615	405,000
Pig iron.....	115	6,500
Pulp, paper.....	745	93,000
Unclassified.....	20,749	2,031,000
Total.....	95,390	4,410,000
Total westbound and eastbound.....	183,858	14,423,300

¹ Average haul, 80 miles; average rate per ton mile, \$0.0047.² Exclusive of dead weight of cars.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

	Number and dead weight of cars.	
	Number.	Short tons.
Westbound:		
Empty cars.....	355	6,220
Loaded cars.....	2,570	43,900
Total.....	2,925	50,120
Eastbound:		
Empty cars.....	857	14,569
Loaded cars.....	3,155	53,635
Total.....	4,012	68,204
Total westbound and eastbound.....	6,937	118,324

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	261	\$41,630
Vegetable food products, oil seeds, expressed oils and beverages.....	890	89,000
Wood and paper.....	9,008	323,780
Nonmetallic minerals.....	184,449	2,438,590
Unclassified.....	3,468	405,000
Total.....	198,076	3,298,000

Car ferry, short tons, 183,858; value, \$14,423,300.

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	981	741,061
Unrigged.....	330	135,445
Total.....	1,311	877,106

Passengers arrived and departed, 6,077.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Both east and west bound traffic is included: eastbound tonnage being 7 per cent more than westbound.

The Ann Arbor Railroad Co. operated a regular line of car-ferry steamers through the canal between Menominee and Frankfort, Mich.

The Hill Steamboat Line operated a regular line of package freight steamers between the city of Sturgeon Bay and Green Bay ports.

ALGOMA HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.....	37,349	\$750,000	(¹)	1906.....	\$ 142,067	(¹)	(¹)
1890.....	41,581	850,000	(¹)	1907.....	\$ 159,559	(¹)	(¹)
1891.....	41,857	890,000	(¹)	1908.....	\$ 165,098	\$3,550,000	(¹)
1892.....	\$ 27,046	1,510,000	(¹)	1909.....	14,824	1,294,890	(¹)
1893.....	\$ 31,591	1,664,325	(¹)	1910.....	14,309	1,179,326	396
1894.....	\$ 29,713	1,780,000	(¹)	1911.....	9,298	269,760	300
1895.....	\$ 204,501	(¹)	(¹)	1912.....	9,925	364,090	182
1896.....	221,828	1,364,618	(¹)	1913.....	10,414	623,914	160
1897.....	38,248	1,693,200	(¹)	1914.....	12,241	626,996	233
1898.....	\$ 53,257	1,780,500	(¹)	1915.....	16,330	777,221	132
1899.....	\$ 57,970	2,175,325	(¹)	1916.....	11,999	795,861	160
1900.....	\$ 147,437	2,300,000	(¹)	1917.....	11,311	1,882,022	31
1901.....	76,119	1,600,000	(¹)	1918.....	6,283	714,061	140
1903.....	\$ 117,743	(¹)	(¹)	1919.....	1,894	89,950	35
1904.....	\$ 300,084	(¹)	(¹)	1920.....	332	31,570	.....
1905.....	\$ 145,297	(¹)	(¹)				

¹ No statistics available; also none available for year omitted. ² By all ways of transportation.

[Navigation season: Opened Jan. 1, closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		110	110	\$28,630	\$28,630	Miles. 11	(1)
Vegetable food products, oilseeds, expressed oils and beverages:							
Vinegar.....		5	5	310	310	60	\$0.0333
Wood and paper: Wood.....	96		96	380	380	81	.0186
Nonmetallic minerals: Salt.....		121	121	2,250	2,250	60	.0333
Total.....	96	236	332		31,570		

¹ No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	110	\$28,630
Vegetable food products, oilseeds, expressed oils and beverages.....	5	310
Wood and paper.....	96	380
Nonmetallic minerals.....	121	2,250
Total.....	332	31,570

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered (arrivals only):		
Steamers.....	1	65
Sailing.....	1	41
Total.....	2	106

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

No regular line of steamers operates to this port.

KEWAUNEE HARBOR, WIS.*Comparative statement of traffic.*

Year.	General vessel traffic.		Car-ferry traffic.		
	Tons.	Value.	Tons.	Value.	Passengers.
1910 ¹	10,922	\$823,722	141,083	\$9,014,672	612
1911.....	10,507	2,028,825	133,077	6,110,725	500
1912.....	13,638	1,077,060	152,925	6,894,686	271
1913.....	8,657	791,777	163,458	8,422,843	352
1914.....	10,692	688,735	193,533	11,428,552	216
1915.....	7,930	631,778	188,394	7,536,747	187
1916.....	10,753	896,844	245,016	9,908,144	112
1917.....	8,933	2,215,809	181,070	9,482,105	518
1918.....	3,092	1,147,658	167,496	14,543,313	408
1919.....	728	194,640	183,175	16,334,960	500
1920.....	347	19,940	272,187	18,905,000	1,000

¹ No statistics available. Division between general and car-ferry traffic unknown prior to 1910.

[Navigation season: Opened Jan. 1, closed Dec. 31, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

[Car-ferry traffic not included.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		87	87	\$16,670	\$16,670	Miles. 12	(1)
Wood and paper: Wood.....	180		180	1,080	1,080	73	\$0.016
Unclassified.....		80	80	2,190	2,190	70	.046
Total.....	180	167	347		19,940		

¹ No rate; local catch.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

[Via car-ferry.¹]

Commodities.	Amount in short tons. ¹	Value.
RECEIPTS, INTERNAL.		
Aluminum, sheet.....	175	\$175,000
Coal.....	54,243	490,000
Unclassified.....	43,441	6,000,000
Total.....	97,859	6,665,000
SHIPMENTS, INTERNAL.		
Flour.....	28,365	3,260,000
Grain.....	26,899	1,290,000
Lumber.....	14,392	370,000
Unclassified.....	104,672	7,320,000
Total.....	174,328	12,240,000
Total receipts and shipments.....	272,187	18,905,000

Number and dead-weight cars.

	Number.	Short tons.
Received:		
Empty cars.....	857	14,569
Loaded cars.....	2,470	41,990
Total.....	3,327	56,559
Shipped:		
Empty cars.....	379	6,443
Loaded cars.....	5,427	92,259
Total.....	5,806	98,702
Total received and shipped.....	9,133	155,261

¹ Average haul, 62 miles; average rate per ton-mile, \$0.0060.² Exclusive of dead-weight of cars.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	87	\$16,670
Wood and paper.....	180	1,080
Unclassified.....	80	2,180
Total.....	347	19,940

Car ferry, short tons, 272,187; value, \$18,905,000.

Vessel classification, 1920.

Classes.	American	Net registered tonnage.
Registered (arrivals only):¹		
Steamers.....	252	386,970
Sailing.....	1	41
Total.....	253	387,011

¹ Departures equal arrivals.

Passengers arrived and departed, 1,000, estimated.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered (arrivals only):		
Steamers.....	1	65
Sailing.....	1	41
Total.....	2	106

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

No regular line of steamers operates to this port.

KEWAUNEE HARBOR, WIS.*Comparative statement of traffic.*

Year.	General vessel traffic.		Car-ferry traffic.		
	Tons.	Value.	Tons.	Value.	Passengers.
1910 ¹	10,922	\$23,722	141,093	\$9,014,672	612
1911.....	10,507	2,028,825	133,077	6,110,725	500
1912.....	13,638	1,077,060	152,925	6,994,686	271
1913.....	8,657	791,777	163,459	8,422,843	352
1914.....	10,692	688,735	193,533	11,428,552	216
1915.....	7,930	631,778	188,984	7,536,747	187
1916.....	10,753	886,844	245,016	9,908,144	112
1917.....	8,933	2,215,809	181,070	9,482,105	518
1918.....	3,692	1,147,658	167,496	14,543,313	408
1919.....	728	194,640	183,175	16,334,960	500
1920.....	347	19,940	272,187	18,905,000	1,000

¹ No statistics available. Division between general and car-ferry traffic unknown prior to 1910.

[Navigation season: Opened Jan. 1, closed Dec. 31, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

[Car-ferry traffic not included.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		87	87	\$16,670	\$16,670	Miles. 12	(1)
Wood and paper: Wood.....	180		180	1,080	1,080	73	\$0.016
Unclassified.....		80	80	2,190	2,190	70	.046
Total.....	180	167	347		19,940		

¹ No rate; local catch.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

[Via car-ferry.]¹

Commodities.	Amount in short tons. ²	Value.
RECEIPTS, INTERNAL.		
Aluminum, sheet.....	175	\$175,000
Coal.....	54,243	490,000
Unclassified.....	43,441	6,000,000
Total.....	97,859	6,665,000
SHIPMENTS, INTERNAL.		
Flour.....	28,365	3,260,000
Grain.....	26,899	1,290,000
Lumber.....	14,392	370,000
Unclassified.....	104,672	7,320,000
Total.....	174,328	12,240,000
Total receipts and shipments.....	272,187	18,905,000
Number and dead-weight cars.		
	Number.	Short tons.
Received:		
Empty cars.....	857	14,599
Loaded cars.....	2,470	41,990
Total.....	3,327	56,559
Shipped:		
Empty cars.....	379	6,443
Loaded cars.....	5,427	92,259
Total.....	5,806	98,702
Total received and shipped.....	9,133	155,261

¹ Average haul, 62 miles; average rate per ton-mile, \$0.0060.² Exclusive of dead-weight of cars.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	87	\$16,670
Wood and paper.....	180	1,080
Unclassified.....	80	2,180
Total.....	347	19,940

Car ferry, short tons, 272,187; value, \$18,905,000.

Vessel classification, 1920.

Classes.	American	Net registered tonnage.
Registered (arrivals only): ¹		
Steamers.....	252	386,970
Sailing.....	1	41
Total.....	253	387,011

¹ Departures equal arrivals.

Passengers arrived and departed, 1,000, estimated.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

The Ann Arbor Railroad Co. operated a regular line of car-ferry steamers between Kewaunee, Wis., and Frankfort, Mich.

No regular package freight line operated to this port during the year.

TWO RIVERS HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1889.....	110,647	\$5,000,000	1906.....	35,425	(1)
1890.....	191,633	6,000,000	1907.....	63,580	(1)
1891.....	205,175	6,150,000	1908.....	58,315	\$296,087
1892.....	400,212	9,248,000	1909.....	23,189	155,540
1893.....	516,926	6,200,000	1910.....	26,314	151,575
1894.....	192,047	5,471,040	1911.....	25,140	183,130
1896.....	50,069	(1)	1912.....	41,688	182,245
1897.....	62,200	(1)	1912.....	27,283	136,725
1898.....	3,586	(1)	1913.....	38,579	169,043
1899.....	112,720	(1)	1914.....	47,897	198,596
1900.....	219,597	(1)	1915.....	24,508	213,766
1901.....	214,307	(1)	1916.....	31,985	342,719
1902.....	20,200	(1)	1917.....	30,926	413,049
1903.....	106,273	(1)	1918.....	23,961	219,540
1904.....	122,946	(1)	1919.....	19,852	252,600
1905.....	38,500	(1)	1920.....		

¹ No statistics available; also none available for years omitted.

Passengers carried, 500 in 1910 and 290 in 1916. No statistics available for other years.

[Navigation season: Opened Jan. 1, closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		367	367	\$94,150	\$94,150	Miles. 16	(1)
Vegetable food products, oilseeds, expressed oils, and beverages:							
Potatoes.....		30	30	900	900	100	\$0.0333
Wood and paper.....			1,295		14,680		
Lumber.....	264			8,800		107	.0292
Wood.....	1,031			5,880		75	.0191
Nonmetallic minerals.....			18,160		142,870		
Cement.....		351		8,700		171	.0205
Coal, hard.....	5,575			56,260		754	.00113
Coal, soft.....	9,913			71,970		296	.0026
Salt.....		120		2,200		64	.0261
Stone, crushed.....	2,200			3,740		53	.0113
Total.....	18,984	868	19,852		252,600		

¹ No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	367	\$94,150
Vegetable food products, oilseeds, expressed oils, and beverages.....	30	900
Wood and paper.....	1,295	14,680
Nonmetallic minerals.....	18,160	142,870
Total.....	19,852	252,600

Vessel classification, 1920.

Classes.	Ameri- can.	Net reg- istered tonnage.
Registered (arrivals only):		
Steamers.....	47	13,107
Unrigged.....	16	11,857
Total.....	63	24,964

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.
No regular line of steamers operates to this port.

MANITOWOC HARBOR, WIS.*Comparative statement of traffic.*

Year.	General vessel traffic.		Car-ferry traffic.		Passengers..
	Tons.	Value.	Tons.	Value.	
1909 ¹	370,826	\$47,394,400	87,916	\$2,304,600	1,750
1910.....	623,134	6,131,925	1,219,137	54,712,135	1,000
1911.....	361,193	4,195,890	1,076,036	61,327,300	1,500
1912.....	404,270	3,439,850	1,052,585	45,910,000	1,500
1913.....	540,808	4,077,390	1,360,257	68,728,050	1,500
1914.....	369,966	4,577,847	1,372,395	101,834,456	2,750
1915.....	420,021	5,139,543	1,166,787	53,367,738	1,620
1916.....	440,754	7,939,852	1,422,005	60,033,249	1,489
1917.....	430,325	10,855,424	1,451,311	84,607,076	780
1918.....	441,056	7,247,032	1,312,171	121,047,357	960
1919.....	490,210	4,566,650	1,281,160	88,426,660	3,300
1920.....	275,900	3,534,800	1,484,355	112,695,750	7,500

¹ No passenger statistics available prior to 1909. Division between general and car-ferry traffic unknown prior to 1909.

[Navigation season: Opened Jan. 1, closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

[Car-ferry traffic not included.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		24	24	\$6,800	\$6,800	Miles. 10	(1)
Wood and paper.....			2,469		100,600		
Lumber.....	189			5,000		100	\$0.025
Wood.....	1,580			8,100		103	.0146
Wood pulp sulphite.....	700			87,500		281	.0089
Nonmetallic minerals.....			248,397		2,059,700		
Cement.....		2,850		52,000		169	.0142
Coal, hard.....	42,461			550,000		757	.00122
Coal, soft.....	188,791			1,420,000		589	.00285
Salt.....		730		14,600		67	.0228
Stone, crushed.....	13,565			23,100		64	.0094
Unclassified.....		63	63	13,500	13,500	147	.098
Total.....	247,286	3,667	250,953		2,180,600		
SHIPMENTS, INTERNAL.							
Vegetable food products, oil- seeds, expressed oils, and bev- erages.....			20,065		1,287,400		
Hay.....		122		3,050		67	.060
Mill stuffs.....		1,000		50,000		63	.0476
Potatoes.....		33		1,350		76	.066
Oats.....	6,550			353,000		757	.00186
Rye.....	1,220			80,000		767	.0013
Wheat.....	11,130			800,000		757	.00122
Nonmetallic minerals: Coal, soft.....	4,672		4,672	39,800	39,800	6	.0633
Ores, metals, and manufactures of, except machinery and ve- hicles: Iron, manufactured.....		150	150	13,500	13,500	58	.069
Unclassified.....		60	60	13,500	13,500	67	.090
Total.....	23,582	1,365	24,947		1,354,200		
Total receipts and ship- ments.....	270,868	5,032	275,900		3,534,800		

¹ No rate; local catch.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

[Via car ferry.¹]

Commodities.	Amount in short tons.²	Value.
RECEIPTS, INTERNAL.		
Aluminum, sheet	400	\$256,000
Ash, soda	18,000	900,000
Automobiles	17,500	17,500,000
Coal	248,425	2,240,000
Iron, manufactured	33,000	2,970,000
Lime and cement	4,000	64,000
Lumber and other forest products	13,500	340,000
Machinery	8,000	1,000,000
Paper	10,000	2,500,000
Salt	35,000	288,750
Sand, stone, and marble	21,000	42,000
Unclassified	180,792	25,550,000
Total	598,617	53,650,750
SHIPMENTS, INTERNAL.		
Aluminum, manufactured	455	500,000
Flour and feed	84,345	9,700,000
Grain	37,584	1,804,000
Iron, manufactured	23,500	2,115,000
Lumber and other forest products	288,508	7,200,000
Machinery	7,500	937,000
Malt	13,000	1,079,000
Paper	20,000	5,000,000
Sand	30,000	60,000
Unclassified	383,346	30,650,000
Total	886,238	59,045,000
Total receipts and shipments	1,484,855	112,695,750
Number and dead-weight of cars.		
	Number.	Short tons.
Received:		
Empty cars	4,472	86,482
Loaded cars	25,062	478,272
Total	29,534	564,754
Shipped:		
Empty cars	3,839	74,308
Loaded cars	32,538	615,867
Total	36,377	690,175
Total received and shipped	65,911	1,254,929

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair	24	\$6,800
Vegetable food products, oilseeds, expressed oils, and beverages	20,085	1,287,400
Wood and paper	2,499	100,600
Nonmetallic minerals	258,089	2,099,500
Ores, metals, and manufactures of, except machinery and vehicles	150	13,500
Unclassified	123	27,000
Total	275,900	3,534,800

¹ A average haul, 70 miles; average rate per ton-mile, \$0.0057.

² Exclusive of dead-weight of cars.

Car ferry, short tons, 1,484,855; value, \$112,695,750.

Vessel classification, 1920.

Classes.	Ameri- can.	Net reg- istered tonnage.
Registered (arrivals only):		
Steamers.....	1,577	2,464,240
Unrigged.....	16	16,288
Total.....	1,593	2,480,528

Passengers arrived and departed, 7,500, close estimate.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

The Pere Marquette Railway Co. and the Ann Arbor Railroad Co. operated regular lines of car ferries from Manitowoc to Ludington and Frankfort, Mich., respectively.

SHEBOYGAN HARBOR, WIS.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.....	204,382	(1)	(1)	1908.....	616,832	(1)	(1)
1891.....	362,417	\$13,080,510	(1)	1909.....	519,855	\$7,661,250	700
1892.....	338,967	5,236,511	(1)	1910.....	592,246	6,928,110	500
1894.....	223,967	(1)	(1)	1911.....	661,886	8,299,425	8,000
1895.....	262,831	(1)	(1)	1912.....	681,363	9,096,400	700
1898.....	1,544,936	(1)	(1)	1913.....	761,971	7,262,386	360
1901.....	1,238,677	(1)	(1)	1914.....	637,679	9,331,213	12,350
1902.....	1,266,718	(1)	(1)	1915.....	665,502	9,592,218	4,652
1903.....	1,351,042	(1)	(1)	1916.....	683,037	13,084,325	5,967
1904.....	5,725,749	(1)	(1)	1917.....	668,854	11,919,901	4,780
1905.....	436,915	(1)	(1)	1918.....	703,530	7,925,724	1,109
1906.....	542,337	(1)	(1)	1919.....	532,026	4,235,060	2,412
1907.....	1,259,950	(1)	(1)	1920.....	494,335	4,161,490	

¹ No statistics available; also none available for years omitted.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons, by com- modities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, ex- cept wool and hair: Fish, fresh		375	375	\$145,430	\$145,430	Miles. 16	(1)
Vegetable food products, oilseeds, expressed oils, and beverages:							
Fruit, fresh		112	112	8,960	8,960	70	\$0.15
Wood and paper: Wood	1,868		1,868	10,350	10,350	151	.01
Nonmetallic minerals			481,980		3,996,750		
Cement		4,617		100,000		203	.0086
Coal, hard	176,362			1,869,440		777	.00076
Coal, soft	300,759			2,024,110		598	.00092
Salt		242		3,200		78	.0214
Total	478,989	5,346	484,335		4,161,490		

¹ No rate; local catch.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	375	\$145,430
Vegetable food products, oilseeds, expressed oils, and beverages.....	112	8,960
Wood and paper.....	1,868	10,850
Nonmetallic minerals.....	481,990	3,996,760
Total.....	484,335	4,161,490

Vessel classification, 1920.

Classes.	Ameri- can.	Net reg- istered tonnage.
Registered (arrivals only):		
Steamers.....	115	241,630
Sailing.....	4	460
Unrigged.....	8	3,288
Total.....	127	245,378

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals

No regular line of boats operates to this port

PORT WASHINGTON HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.....	57,629	\$1,754,200	(1)	1905.....	68,007	(1)	(1)
1890.....	33,621	1,274,450	(1)	1906.....	49,454	(1)	(1)
1891.....	51,657	1,348,068	(1)	1907.....	50,037	(1)	(1)
1892.....	56,958	1,473,000	(1)	1908.....	32,988	(1)	(1)
1893.....	130,357	2,296,000	(1)	1909.....	5,988	\$22,200	(1)
1894.....	105,101	2,120,000	(1)	1910.....	8,790	29,860	2,500
1895.....	81,908	2,345,000	(1)	1911.....	10,362	248,700	(1)
1896.....	71,427	2,020,000	(1)	1912.....	12,345	73,400	(1)
1897.....	81,467	2,392,000	(1)	1913.....	12,677	310,275	50
1898.....	70,260	2,040,000	(1)	1914.....	20,184	415,316	117
1899.....	23,291	811,360	(1)	1915.....	19,560	349,277	(1)
1900.....	53,756	1,700,600	(1)	1916.....	15,832	391,032	1,527
1901.....	76,480	815,000	(1)	1917.....	4,874	252,324	(1)
1902.....	65,789	(1)	(1)	1918.....	7,374	323,429	2,100
1903.....	57,101	(1)	(1)	1919.....	615	86,280	(1)
1904.....	60,501	(1)	(1)	1920.....	507	72,710	.....

¹ No statistics available.

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered (arrivals only):		
Steamers.....	1,577	2,464,249
Unrigged.....	16	16,286
Total.....	1,593	2,480,536

Passengers arrived and departed, 7,500, close estimate.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

The Pere Marquette Railway Co. and the Ann Arbor Railroad Co. operated regular lines of car ferries from Manitowoc to Ludington and Frankfort, Mich., respectively.

SHEBOYGAN HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.....	204,382	(1)	(1)	1908.....	616,832	(1)	(1)
1891.....	362,417	\$13,080,510	(1)	1909.....	519,655	\$7,661,250	700
1892.....	338,967	5,236,511	(1)	1910.....	592,246	6,928,110	500
1894.....	223,967	(1)	(1)	1911.....	661,886	8,299,425	8,000
1895.....	282,831	(1)	(1)	1912.....	681,363	8,096,400	700
1898.....	1,544,936	(1)	(1)	1913.....	761,971	7,262,386	350
1901.....	1,238,677	(1)	(1)	1914.....	637,679	9,331,313	12,350
1902.....	1,296,718	(1)	(1)	1915.....	605,502	9,592,218	4,652
1903.....	1,351,042	(1)	(1)	1916.....	683,037	13,064,325	5,967
1904.....	5,725,749	(1)	(1)	1917.....	668,554	11,919,801	4,780
1905.....	430,915	(1)	(1)	1918.....	703,530	7,926,794	1,109
1906.....	542,337	(1)	(1)	1919.....	552,026	4,233,060	2,412
1907.....	1,259,950	(1)	(1)	1920.....	484,335	4,161,490	

1 No statistics available; also none available for years omitted.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.		375	375	\$145,430	\$145,430	Miles. 16	(1)
Vegetable food products, oilseeds, expressed oils, and beverages:							
Fruit, fresh.....		112	112	8,960	8,960	70	\$0.15
Wood and paper: Wood.....	1,988		1,988	10,350	10,350	151	.01
Nonmetallic minerals.....			481,980		3,990,750		
Cement.....		4,617		100,000		203	.0086
Coal, hard.....	176,362			1,869,440		777	.00076
Coal, soft.....	300,759			2,024,110		598	.00092
Salt.....		242		3,200		78	.0214
Total.....	478,989	5,346	484,335		4,161,490		

1 No rate; local catch.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	375	\$145,430
Vegetable food products, oilseeds, expressed oils, and beverages.....	112	8,990
Wood and paper.....	1,868	10,350
Nonmetallic minerals.....	481,990	3,996,750
Total.....	484,335	4,161,490

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered (arrivals only):		
Steamers.....	115	241,630
Sailing.....	4	460
Unrigged.....	8	3,288
Total.....	127	245,378

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats,
of which no records are kept.
Departures equal arrivals
No regular line of boats operates to this port

PORT WASHINGTON HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1899.....	57,629	\$1,754,200	(1)	1905.....	68,007	(1)	(1)
1890.....	33,621	1,274,450	(1)	1906.....	49,454	(1)	(1)
1891.....	51,657	1,348,068	(1)	1907.....	50,037	(1)	(1)
1892.....	56,958	1,473,000	(1)	1908.....	32,968	(1)	(1)
1893.....	130,357	2,296,000	(1)	1909.....	5,988	\$22,200	(1)
1894.....	105,101	2,120,000	(1)	1910.....	8,790	29,850	2,500
1895.....	81,903	2,345,000	(1)	1911.....	10,362	248,700	(1)
1896.....	71,427	2,020,000	(1)	1912.....	12,345	73,400	(1)
1897.....	81,467	2,392,000	(1)	1913.....	12,677	310,275	50
1898.....	70,260	2,040,000	(1)	1914.....	20,184	415,316	117
1899.....	23,391	811,360	(1)	1915.....	19,560	349,277	(1)
1900.....	53,756	1,700,600	(1)	1916.....	15,832	391,032	1,527
1901.....	76,480	815,000	(1)	1917.....	4,874	282,324	(1)
1902.....	65,789	(1)	(1)	1918.....	7,374	323,429	2,100
1903.....	57,101	(1)	(1)	1919.....	615	86,280	(1)
1904.....	60,501	(1)	(1)	1920.....	507	72,710	.....

¹ No statistics available.

1052 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

[Navigation season: Opened Jan. 1, closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Class and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		257	257	\$71,585	\$71,585	Miles. 14	(1)
Wood and paper: Wood.....	250		250	1,125	1,125	155	\$0.010
Total.....	250	257	507		72,710		

¹ No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	257	\$71,585
Wood and paper.....	250	1,125
Total.....	507	72,710

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered (arrivals only), steamers.....	1	65

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

No regular line of boats operates to this port.

MILWAUKEE HARBOR, WIS.

Comparative statement of traffic.

Year.	General vessel traffic.			Car-ferry traffic.			Total passengers.
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.	
1909.....	(1)	(1)	(2)	(1)	(1)	(2)	136,079
1910.....	(2)	(2)	(2)	(2)	(2)	(2)	135,000
1911.....	6,544,519	\$87,561,110	(2)	1,067,772	\$32,092,025	(2)	137,934
1912.....	6,712,505	97,336,350	(2)	1,067,122	31,895,500	(2)	140,332
1913.....	7,496,923	104,848,000	(2)	1,130,307	35,886,750	(2)	150,000
1914.....	7,536,718	120,455,167	(2)	948,111	32,415,732	(2)	250,000
1915.....	7,326,100	130,928,955	(2)	793,775	19,419,966	(2)	120,000
1916.....	6,656,980	211,172,689	(2)	1,268,508	55,982,962	(2)	225,000
1917.....	5,855,089	256,195,500	(2)	965,775	53,387,400	(2)	231,900
1918.....	5,726,749	178,689,175	(2)	1,359,801	183,875,693	(2)	198,717
1919.....	5,248,850	135,321,100	(2)	1,759,350	184,758,200	(2)	130,342
1920.....	4,075,466	90,965,900	158,220	1,685,103	125,416,000	4,240	162,460

1 No statistics available.

2 Division between general and car-ferry traffic unknown.

[Navigation season: Opened Jan. 1, closed Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products, oilseeds, expressed oils, and beverages: Wheat.....	10,515	10,515	\$700,000	\$700,000
Unclassified.....	566	566	1,270,000	1,270,000
Total.....		11,081		1,970,000
EXPORTS.				
Vegetable food products, oilseeds, expressed oils, and beverages.....		24,840		1,494,100
Barley.....	2,310		110,600	
Corn.....	10,230		550,000	
Oats.....	1,070		56,500	
Rye.....	3,100		194,000	
Wheat.....	8,130		583,000	
Total.....		24,840		1,494,100
Total imports and exports.....		35,921		3,464,100

Freight traffic, 1920—(Continued.)

DOMESTIC.

(Car-ferry traffic not included.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		522	522	\$128,500	\$128,500	Miles. 18	(1)
Vegetable and food products, oilseeds, expressed oils and beverages: Sugar.....		9,288	9,288	1,860,000	1,860,000	731	\$0.0027
Other vegetable food products, except fibers and wood: Bark, tan.....	2,460		2,460	37,400	37,400	200	.015
Wood and paper.....			8,991		155,600		
Lumber.....	2,430			61,000		639	.0050
Posts, fence.....	2,050			26,600		249	.016
Ties, railroad.....	4,511			68,000		276	.0145
Nonmetallic minerals.....			3,468,026		31,941,300		
Cement.....		37,350		719,200		311	.0044
Coal, hard.....	863,082			10,385,000		823	.0077
Coal, soft.....	2,385,904			20,185,000		645	.0096
Salt.....	42,000	10,890		432,100		139	.0081
Sand.....	38,000			38,000		48	.0141
Stone, crushed, and flux.....	90,800			182,000		164	.0054
Ores, metals, and manufactures of, except machinery and vehicles.....			151,173		1,226,000		
Iron, manufactured.....		3,373		303,000		90	.078
Ore, iron.....	144,500			795,000		364	.002
Pig iron.....	3,300			128,000		90	.026
Unclassified.....	260	146,415	146,675	31,129,700	31,129,700	96	.0848
Total.....	3,579,297	207,838	3,787,135		66,478,500		
SHIPMENTS, INTERNAL.							
Vegetable food products, oilseeds, expressed oils, and beverages.....			57,300		3,343,300		
Barley.....	460			24,500		830	.00172
Corn.....	19,180			1,025,500		830	.00172
Oats.....	9,910			526,000		830	.00263
Rye.....	24,050			1,502,300		824	.00173
Wheat.....	3,700			265,000		784	.0017
Nonmetallic minerals: Stone, rubble ²	86,360		86,360	280,000	280,000	12	.033
Unclassified.....		108,750	108,750	17,400,000	17,400,000	96	.078
Total.....	143,680	108,750	252,410		21,023,300		
Total receipts and shipments.....	3,722,967	316,588	4,039,545		87,501,800		

¹ No rate; local catch.² Used for harbor construction and shore protection work at St. Francis and Carrollville, Wis.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

[Via car ferry.]

Commodities.	Amount in short tons. ¹	Value.
RECEIPTS, INTERNAL.		
Ash, soda.....	11,000	\$550,000
Automobiles.....	20,778	20,778,000
Coal and coke.....	413,233	3,735,000
Forest products.....	10,500	260,000
Fruit and vegetables.....	11,000	770,000
Iron and steel, manufactured.....	80,413	7,237,000
Lime and cement.....	9,000	144,000
Machinery.....	17,785	2,225,000
Paper.....	3,000	750,000
Salt.....	61,890	510,000
Sand, stone, and marble.....	12,000	24,000
Sugar.....	7,140	1,428,000
Unclassified.....	210,317	28,300,000
Total.....	888,056	66,711,000
SHIPMENTS, INTERNAL.		
Flour and feed.....	86,500	9,950,000
Forest products.....	122,849	3,070,000
Grain, miscellaneous.....	259,041	12,432,000
Iron and steel, manufactured.....	34,500	3,105,000
Machinery.....	23,652	2,957,000
Malt.....	13,000	1,079,000
Meat.....	12,458	4,360,000
Paper.....	6,000	1,500,000
Stone.....	6,000	12,000
Unclassified.....	253,047	20,240,000
Total.....	817,047	58,705,000
Total receipts and shipments.....	1,685,103	125,416,000

Number and dead weight of cars.

	Number.	Short tons.
Received:		
Empty cars.....	3,572	71,440
Loaded cars.....	31,405	628,100
Total.....	34,977	699,540
Shipped:		
Empty cars.....	2,924	58,480
Loaded cars.....	33,029	672,580
Total.....	36,553	731,060
Total received and shipped.....	71,530	1,430,600

¹ Average haul 91 miles; average rate per ton-mile \$0.0047.² Estimate of dead weight of cars.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.	
	Imports.		Exports.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....					522	\$128, 500
Vegetable food products, oil seeds, expressed oils, and beverages...	10, 515	\$700, 000	24, 840	\$1, 494, 100	66, 588	5, 203, 300
Other vegetable products, except fibers and wood.....					2, 460	37, 400
Wood and paper.....					8, 991	155, 600
Nonmetallic minerals.....					3, 554, 386	32, 221, 300
Ores, metals, and manufactures of, except machinery and vehicles..					151, 173	1, 226, 000
Unclassified.....	566	1, 270, 000			255, 425	48, 529, 700
Total.....	11, 081	1, 970, 000	24, 840	1, 494, 100	4, 039, 545	87, 501, 900

Car ferry, short tons, 1,685,103; value, \$125,416,000.

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered (arrivals only):					
Steamers.....	3, 469	5	3, 474	5, 425, 767	162, 460
Sailing.....	131		131	66, 347	
Total.....	3, 600	5	3, 605	5, 492, 114	162, 460

¹ Arrived and departed; about 90,000 excursionists included only one way.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

Regular package freight lines operated between Milwaukee and other ports as follows:

Goodrich Transit Co. to Racine and Chicago.

Chicago, Racine & Milwaukee Line to Racine and Chicago.

Crosby Transportation Co. to Grand Haven and Muskegon.

Pere Marquette Line Steamers to Ludington.

Wisconsin Transit Co. to Grand Haven and Muskegon.

Milwaukee, Chicago & Michigan City Line to Chicago and Michigan City.

Canada Atlantic Transit Co. to Depot Harbor, Canada.

The Pere Marquette Railway Co. and the Grand Trunk Railway system operated regular lines of car ferry steamers to Ludington and Grand Haven, respectively.

RACINE HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.....	565,675	\$13,212,614	(1)	1905.....	141,702	(1)	(1)
1890.....	1,848,311	14,514,698	(1)	1906.....	162,247	(1)	(1)
1891.....	2,199,775	15,936,614	(1)	1907.....	497,752	(1)	(1)
1892.....	2,638,063	19,143,443	(1)	1908.....	745,032	(1)	(1)
1893.....	276,848	13,007,679	(1)	1909.....	260,372	\$17,196,250	2,450
1894.....	2,554,682	16,906,926	(1)	1910.....	205,798	8,463,050	750
1895.....	301,812	11,487,738	(1)	1911.....	197,667	6,855,400	7,500
1896.....	364,849	12,690,668	(1)	1912.....	223,496	7,599,700	964
1897.....	900,540	18,053,718	(1)	1913.....	247,737	7,639,250	967
1898.....	873,822	(1)	(1)	1914.....	221,125	6,197,979	1,422
1899.....	212,991	(1)	(1)	1915.....	247,441	7,000,797	6,261
1900.....	346,401	7,200,000	(1)	1916.....	267,761	10,055,513	7,960
1901.....	516,531	23,250,000	(1)	1917.....	247,153	17,845,840	8,065
1902.....	554,376	(1)	(1)	1918.....	265,664	17,544,214	3,111
1903.....	444,773	(1)	(1)	1919.....	233,804	10,670,860	2,269
1904.....	412,410	(1)	(1)	1920.....	204,680	9,967,250	532

¹ No statistics available.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.		234	234	\$90,650	\$90,650	Miles. 15	(1)
Vegetable food products, oilseeds, expressed oils, and beverages: Fruit, fresh.		346	346	27,700	27,700	80	\$0.131
Nonmetallic minerals.			168,362		1,724,900		
Cement.		883		17,000		78	.0224
Coal, hard.	23,902			306,200		837	.00188
Coal, soft.	133,920			1,376,700		710	.00148
Stone, crushed and rubble.	9,657			25,000		102	.0065
Machinery and vehicles: Automobile parts.		240	240	124,000	124,000	583	.098
Unclassified.		25,288	25,288	5,700,000	5,700,000	55	.124
Total.	167,479	26,991	194,470		7,667,250		
SHIPMENTS, INTERNAL.							
Unclassified.		10,210	10,210	2,300,000	2,300,000	55	.127
Total receipts and shipments	167,479	37,201	204,680		9,967,250		

¹ No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.	234	\$80,650
Vegetable food products, oilseeds, expressed oils, and beverages.	346	27,700
Nonmetallic minerals.	168,362	1,724,900
Machinery and vehicles.	240	124,000
Unclassified.	35,498	8,000,000
Total.	204,680	9,967,250

Vessel classification, 1920.

Classes.	Ameri- can.	Net reg- tered tonnage.
Registered (arrivals only): ¹		
Steamers.....	703	829, 437
Sailing.....	1	189
Unrigged.....	8	6, 293
Total.....	712	835, 919

¹ Departures equal arrivals.

Passengers arrived and departed, 532.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Regular package freight lines operated between Racine and other ports as follows:
Chicago, Racine, and Milwaukee Line to Chicago and Milwaukee; Goodrich Transit
Co. to Chicago and Milwaukee.

KENOSHA HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	• Year.	Tons.	Value.	Passengers.
1899.....	43, 400	\$315, 650	(1)	1906.....	55, 812	(1)	(1)
1890.....	54, 422	195, 530	(1)	1908.....	58, 545	(1)	(1)
1891.....	67, 361	(1)	(1)	1909.....	84, 525	\$382, 845	(1)
1892.....	48, 566	(1)	(1)	1910.....	87, 991	3, 407, 530	562
1893.....	76, 794	800, 000	(1)	1911.....	80, 731	4, 985, 330	6, 350
1894.....	47, 622	(1)	(1)	1912.....	80, 057	3, 773, 500	(1)
1895.....	50, 930	1, 131, 000	(1)	1913.....	85, 743	4, 577, 300	5, 000
1896.....	71, 697	925, 000	(1)	1914.....	78, 641	4, 259, 746	6, 250
1897.....	83, 972	1, 900, 000	(1)	1915.....	73, 268	7, 950, 859	900
1898.....	100, 997	1, 300, 000	(1)	1916.....	127, 944	12, 899, 483	7, 350
1899.....	119, 503	1, 700, 000	(1)	1917.....	74, 689	18, 437, 596	6, 250
1900.....	98, 399	1, 950, 000	(1)	1918.....	42, 982	9, 654, 532	3, 370
1901.....	134, 678	2, 500, 000	(1)	1919.....	38, 537	7, 610, 180	1, 500
1904.....	45, 991	(1)	(1)	1920.....	35, 232	13, 942, 570	
1906.....	72, 011	(1)	(1)				

¹ No statistics available; also none available for years omitted.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.		73	73	\$24,640	\$24,640	Miles. 15	(1)
Vegetable food products, oilseeds, expressed oils, and beverages.			835		59,400		
Fruit, fresh.		669		52,400		77	\$0.1325
Potatoes.		166		7,000		182	.0275
Wood and paper.			3,030		84,300		
Lumber.	2,430			81,600		505	.0111
Wood.	600			2,700		215	.016
Nonmetallic minerals.			11,000		148,150		
Cement.		3,820		73,500		67	.0261
Coal, hard.	2,407			29,970		846	.00177
Coal, soft.	3,573			42,880		645	.00155
Sand.	1,200			1,800		35	.014
Ores, metals, and manufactures of, except machinery and vehicles:							
Steel.		203	203	24,360	24,360	695	.0102
Machinery and vehicles: Automobiles.		3,198	3,198	3,830,000	3,830,000	661	.032
Unclassified ² .		9,509	9,509	2,850,000	2,850,000	53	.113
Total.	10,210	17,638	27,848		7,020,850		
SHIPMENTS, INTERNAL.							
Machinery and vehicles: Automobiles.		4,627	4,627	5,611,720	5,611,720	730	.030
Unclassified ² .		2,757	2,757	1,310,000	1,310,000	50	.119
Total shipments, internal.		7,384	7,384		6,921,720		
Total receipts and shipments.	10,210	25,022	35,232		13,942,570		

¹ No rate; local catch.² Includes brass fittings, leather, butter, eggs, etc.³ Includes scrap brass, copper, groceries, etc.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.	73	\$24,640
Vegetable food products, oilseeds, expressed oils, and beverages.	835	59,409
Wood and paper.	3,030	84,300
Nonmetallic minerals.	11,000	148,150
Ores, metals, and manufactures of, except machinery and vehicles.	203	24,360
Machinery and vehicles.	7,825	9,441,720
Unclassified.	12,266	4,160,000
Total.	35,232	13,942,570

Vessel classification, 1920.

Classes.	Ameri- can.	Net reg- istered tonnage.
Registered (arrivals only):		
Steamers.....	315	95,162
Unrigged.....	2	909
Total.....	317	96,071

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The Hill Steamboat Line operated a regular package freight line between Kenosha, Waukegan, and Chicago.

WAUKEGAN HARBOR, ILL.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1898.....	66,002	(1)	(1)	1910.....	253,062	\$2,535,925	34,500
1899.....	56,435	(1)	(1)	1911.....	213,925	2,085,220	9,000
1900.....	87,210	\$1,499,400	(1)	1912.....	200,325	2,190,665	51,500
1901.....	110,429	1,106,000	(1)	1913.....	235,378	2,496,300	33,645
1902.....	35,695	(1)	(1)	1914.....	220,814	2,599,015	39,750
1903.....	196,732	(1)	(1)	1915.....	229,316	4,477,635	350
1904.....	220,391	(1)	(1)	1916.....	197,850	5,422,947	350
1905.....	206,454	(1)	(1)	1917.....	153,174	8,727,401	6,000
1906.....	202,199	(1)	(1)	1918.....	154,516	7,474,476	4,117
1907.....	334,886	(1)	(1)	1919.....	177,788	7,258,900	2,500
1908.....	217,009	(1)	(1)	1920.....	87,740	5,914,940	
1909.....	180,425	2,337,100	8,164				

¹ No statistics available; also none available for years prior to 1898.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commod- ities.		Amount in short tons, by classes.	Value.		Av- erage haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, ex- cept wool and hair: Fish, fresh.		159	159	\$38,430	\$38,430	Miles. 10	(1)
Vegetable food products, oilseeds, expressed oils, and beverages.			653		34,910		
Fruit, fresh.		205		16,160		70	\$0.150
Potatoes.		450		18,750		232	.0216
Wood and paper: Lumber.	320		320	8,000	8,000	197	.0178
Nonmetallic minerals.			71,113		583,600		
Coal, hard.	27,826			296,350		862	.000666
Coal, soft.	39,787			252,250		764	.000795
Salt.		3,500		35,000		155	.0106
Unclassified ¹ .		10,094	10,094	3,250,000	3,250,000	37	.143
Total.	67,933	14,408	82,341		3,914,940		
SHIPMENTS, INTERNAL.							
Unclassified ¹ .		5,399	5,399	2,000,000	2,000,000	37	.104
Total receipts and shipments.	67,933	19,807	87,740		5,914,940		

¹ No rate; local catch.

² Includes groceries, butter, eggs, leather, etc.

³ Includes electric motors, building material, leather, machinery, etc.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	159	\$38,420
Vegetable food products, oilseeds, expressed oils, and beverages.....	655	34,910
Wood and paper.....	320	8,000
Nonmetallic minerals.....	71,113	583,600
Unclassified.....	15,493	5,250,000
Total.....	87,740	5,914,940

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered (arrivals only): Steamers.....	270	94,792

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The Hill Steamboat Line operated a regular line of package freight steamers between Chicago, Waukegan, and Kenosha.

ST. JOSEPH HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	93,228	(1)	(1)	1906.....	115,839	(1)	20,372
1891.....	134,819	(1)	(1)	1907.....	78,044	(1)	5,932
1892.....	291,058	(1)	193,483	1908.....	145,913	\$23,883,003	221,275
1893.....	231,410	(1)	189,275	1909.....	154,825	15,044,725	266,215
1894.....	290,879	(1)	(1)	1910.....	119,747	10,636,930	276,072
1895.....	459,465	(1)	(1)	1911.....	189,163	14,403,248	281,842
1896.....	625,640	(1)	140,000	1912.....	84,735	5,826,512	289,856
1897.....	395,769	(1)	(1)	1913.....	84,795	5,232,285	255,218
1898.....	527,782	(1)	(1)	1914.....	99,550	6,209,910	273,566
1899.....	240,109	(1)	21,000	1915.....	104,192	4,975,736	134,121
1900.....	154,241	(1)	25,000	1916.....	122,106	6,286,780	161,141
1901.....	121,819	(1)	(1)	1917.....	115,138	6,224,527	125,680
1902.....	188,545	(1)	31,000	1918.....	92,410	4,818,149	69,780
1903.....	127,872	(1)	33,500	1919.....	98,945	11,434,416	103,248
1904.....	97,036	(1)	24,703	1920.....	128,240	11,033,070	88,183
1905.....	118,412	(1)	23,377				

1 No statistics available.

[Navigation season: Opened Mar. 24; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		159	159	\$30,550	\$30,550	Miles. 10	(¹)
Wood and paper.....			933		66,750		
Baskets, bushel.....		50		4,000		61	\$0.251
Boxes, paper.....		235		54,150		61	.150
Forest products.....	628			7,000		269	.0148
Paper stock.....		40		1,600		61	.039
Nonmetallic minerals: Cement.....		930	930	3,200	3,200	60	.0525
Ores, metals, and manufactures of, except machinery and vehicles: Cans, tin.....		78	78	13,300	13,300	61	.079
Machinery and vehicles.....			1,100		901,200		
Automobiles.....		786		786,000		61	.115
Foundry and machine-shop supplies.....		257		81,000		61	.136
Knitting-mill supplies.....		57		34,200		61	.200
Unclassified.....		9,980	9,980	3,500,000	3,500,000	61	.106
Total.....	628	12,572	13,200		4,515,000		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		73	73	19,420	19,420	61	.182
Vegetable food products, oilseeds, expressed oils, and beverages.....			36,761		3,878,000		
Canned goods.....		280		84,000		61	.135
Fruit and vegetables.....		36,481		3,794,000		62	.103
Textiles.....			779		1,663,500		
Hosiery.....		764		1,623,500		61	.131
Overalls.....		15		30,000		61	.213
Nonmetallic minerals: Sand.....	65,160		65,160	27,000	27,000	63	.0066
Ores, metals, and manufactures of, except machinery and vehicles: Castings.....		1,643	1,643	406,150	406,150	61	.104
Machinery and vehicles: Automobiles.....		494	494	494,000	494,000	61	.115
Unclassified.....		10,130	10,130	3,040,000	3,040,000	61	.103
Total.....	65,160	49,880	115,040		9,518,070		
Total receipts and shipments.....	65,788	62,452	128,240		14,033,070		

¹ No rate; local catch.

The only commerce on the St. Joseph River, Mich., in 1920 consisted of about 58,240 cubic yards (79,000 tons) of sand and gravel dredged for commercial use in the lower 2 or 3 miles of the river and delivered at St. Joseph Harbor on scows with a draft of 5 to 6 feet. The total estimated value is \$24,000.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	232	\$49,970
Vegetable food products, oilseeds, expressed oils, and beverages.....	36,761	3,878,000
Textiles.....	779	1,663,500
Wood and paper.....	933	66,750
Nonmetallic minerals.....	66,060	30,200
Ores, metals, and manufactures of, except machinery and vehicles.....	1,721	419,450
Machinery and vehicles.....	1,594	1,395,200
Unclassified.....	20,110	6,540,000
Total.....	128,240	14,033,070

Vessel classification, 1920.

Classes.	Ameri- can.	Net reg- istered tonnage.	Passen- gers. ¹
Registered (arrivals only), steamers.....	630	306,764	88,183

¹ Arrived and departed.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The Graham & Morton Transportation Co. and the Benton Transit Co. each operated a regular line of steamers between Chicago and Benton Harbor and St. Joseph during the season of navigation.

The American Sand & Gravel Co. operated one boat, which carried St. Joseph River sand from Benton Harbor to various ports on Lake Michigan.

SOUTH HAVEN HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1899.....	37,230	()	()	1905.....	68,877	()	267,060
1890.....	8,099	()	()	1906.....	60,077	()	279,886
1891.....	28,719	()	()	1907.....	11,453	()	181,594
1892.....	27,878	()	()	1908.....	18,765	\$4,423,000	()
1893.....	34,326	()	()	1909.....	14,763	1,324,780	145,225
1894.....	47,068	()	()	1910.....	16,446	929,886	156,540
1895.....	900,801	()	23,700	1911.....	19,244	1,269,423	150,326
1896.....	80,833	()	4,200	1912.....	24,452	1,448,771	155,311
1897.....	62,360	()	45,000	1913.....	24,563	1,236,501	156,216
1898.....	27,709	()	()	1914.....	21,489	2,275,881	141,064
1899.....	17,065	()	()	1915.....	27,435	1,818,645	79,303
1900.....	43,208	()	100,000	1916.....	35,048	2,354,814	111,381
1901.....	56,759	()	18,792	1917.....	19,913	1,722,879	91,631
1902.....	103,620	()	()	1918.....	16,079	1,403,886	17,229
1903.....	76,646	()	()	1919.....	22,499	3,247,687	33,518
1904.....	77,725	()	205,981	1920.....	14,965	3,766,480	17,426

¹ No statistics available.

[Navigation season: Opened Apr. 1; closed Dec. 22, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.		53	53	\$16,900	\$16,900	Miles. 11	(1)
Vegetable food products, oil seeds, expressed oils, and beverages: Fruit-preserve supplies.		14	14	2,500	2,500	78	\$0.090
Wood and paper.....			274		50,500		
Cabinet supplies.....		27		37,800		78	.126
Lumber.....	229			9,100		335	.0145
Mill supplies.....		18		3,600		78	.065
Nonmetallic minerals: Cement.....		566	566	11,500	11,500	79	.0465
Unclassified.....			2,563		879,550		
Phonograph supplies.....		5		1,750		78	.187
Piano supplies.....		158		157,800		78	.154
Unclassified.....		2,400		720,000		78	.151
Total.....	229	3,241	3,470		960,950		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.		44	44	15,400	15,400	78	.193
Vegetable food products, oil seeds, expressed oils, and beverages: Fruit, preserved.....		105	105	22,130		78	.060
Wood and paper.....			108		129,800		
Box material.....		17		2,000		78	.141
Wood carvings.....		91		127,800		78	.126
Unclassified.....			11,228		2,638,200		
Phonographs.....		64		64,000		78	.187
Pianos.....		628		450,300		78	.187
Piano benches.....		77		32,100		78	.187
Unclassified.....		10,459		2,091,800		78	.151
Total.....		11,485	11,485		2,805,530		
Total receipts and shipments.....	229	14,726	14,955		3,766,480		

¹ No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair	97	\$32,300
Vegetable food products, oil seeds, expressed oils and beverages	119	24,630
Wood and paper	382	180,300
Nonmetallic minerals	566	11,600
Unclassified	13,791	3,517,750
Total	14,955	3,766,480

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.	Passengers. ¹
Registered (arrivals only): Steamers	176	86,463	17,426

¹ Arrived and departed.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The Chicago & South Haven Steamship Co. operated a regular line of steamers between Chicago and South Haven during the navigation season.

SAUGATUCK HARBOR AND KALAMAZOO RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1899.....	6,275	\$184,000	4,790	1906.....	21,500	(1)	(1)
1900.....	2,995	(1)	(1)	1907.....	5,690	(1)	(1)
1901.....	19,415	(1)	(1)	1908.....	4,885	\$342,000	4,636
1903.....	45,840	(1)	(1)	1909.....	8,667	439,237	14,608
1904.....	8,627	(1)	(1)	1910.....	11,752	605,011	14,800
1905.....	23,525	(1)	(1)	1911.....	16,562	1,454,544	14,742
1906.....	47,735	(1)	7,850	1912.....	6,250	356,282	13,077
1907.....	5,016	(1)	(1)	1913.....	7,850	405,125	4,681
1908.....	22,082	(1)	(1)	1914.....	15,380	707,641	14,251
1909.....	13,710	(1)	(1)	1915.....	31,491	672,035	7,424
1900.....	12,606	(1)	(1)	1916.....	10,465	336,433	3,797
1902.....	11,843	(1)	(1)	1917.....	8,711	271,591	2,032
1903.....	12,591	(1)	(1)	1918.....	6,371	158,387	1,733
1904.....	10,558	(1)	(1)	1919.....	3,200	336,727	1,296
1905.....	8,425	(1)	(1)	1920.....	4,312	379,660	

¹ No statistics available; also none available for years omitted.

[Navigation season: Opened Apr. 11; closed Dec. 7, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		14	14	\$3,600	\$3,600	Miles. 2	(1)
Nonmetallic minerals.....		357	557	5,130	6,930		
Cement.....				1,800		97	\$0.043
Coal, soft.....	200					8	.125
Total.....	200	371	571		10,530		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		4	4	1,030	1,030	31	.258
Vegetable food products, oil seeds, expressed oils and beverages: Fruit, fresh.....		3,737	3,737	368,100	368,100	31	.149
Total.....		3,741	3,741		369,130		
Total receipts and shipments.....	200	4,112	4,312		379,660		

¹ No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	18	\$4,630
Vegetable food products, oil seeds, expressed oils and beverages.....	3,737	368,100
Nonmetallic minerals.....	557	6,930
Total.....	4,312	379,660

Vessel classification, 1920.

Classes.	Ameri- can.	Net registered tonnage.
Registered (arrivals only): Steamers.....	171	8,416

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The East Shore Line operated a line of small steamers between Saugatuck, and Holland and Grand Haven, during the navigation season.

HOLLAND HARBOR, MICH.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1899.....	6,061	(1)	25,070	1906.....	159,966	(1)	(1)
1890.....	86,308	(1)	(1)	1907.....	158,003	(1)	(1)
1891.....	183,154	(1)	(1)	1908.....	165,155	\$53,430,000	86,700
1892.....	307,480	(1)	(1)	1909.....	70,233	11,445,418	66,000
1893.....	206,726	(1)	(1)	1910.....	87,567	14,769,197	59,017
1894.....	233,444	(1)	(1)	1911.....	145,801	23,194,270	56,266
1895.....	169,564	(1)	16,799	1912.....	34,392	5,649,361	79,749
1896.....	180,955	(1)	(1)	1913.....	38,344	5,146,867	77,678
1897.....	184,166	(1)	(1)	1914.....	34,074	4,352,237	66,208
1898.....	47,110	(1)	(1)	1915.....	30,426	4,264,538	48,108
1899.....	44,956	(1)	(1)	1916.....	36,832	5,561,250	61,475
1900.....	56,228	(1)	15,000	1917.....	42,390	6,767,160	43,422
1901.....	40,989	(1)	(1)	1918.....	21,154	3,155,745	36,333
1902.....	16,430	(1)	(1)	1919.....	46,091	8,782,700	47,769
1903.....	21,450	(1)	(1)	1920.....	28,025	9,978,300	35,418
1904.....	149,188	(1)	(1)				

¹ No statistics available; also none available for year.

[Navigation season: Opened Apr. 17; closed Nov. 13, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair.			74		\$87,200	Miles.	Cents.
Fish, fresh.		12		\$3,600		15	(1)
Leather and shoe supplies.		62		83,800		100	0.095
Vegetable food products, oil seeds, expressed oils and beverages:							
Groceries.		139	139	41,700	41,700	100	.092
Other vegetable products, except fibers and wood.			140		32,300		
Dyestuff.		96		17,700		100	.073
Tannery supplies.		44		14,600		100	.112
Nonmetallic minerals: Cement.		470	470	10,000	10,000	104	.0513
Machinery and vehicles.			925		865,800		
Automobiles.		850		850,000		100	.07
Machine shop supplies.		75		15,800		100	.079
Unclassified.			12,607		3,865,700		
Piano actions and keys.		38		68,000		100	.153
Unclassified.		12,669		3,797,700		100	.07
Total.		14,445	14,445		4,902,700		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair: Leather and shoes.		245	245	498,500	498,500	100	.12
Vegetable food products, oil seeds, expressed oils and beverages:							
Fruit and vegetables, fresh.		2,254	2,334	234,400	274,400	100	.07
Rusks (biscuits).		80		40,000		91	.11
Wood and paper: Furniture.		1,148	1,148	849,500	849,500	100	.145
Nonmetallic minerals: Coal.	200		200	1,800	1,800	8	.125
Machinery and vehicles.			783		615,400		
Automobiles.		492		492,000		100	.07
Machinery.		291		123,400		100	.116
Unclassified.			8,870		2,836,000		
Pianos and phonographs.		500		325,000		100	.153
Unclassified.		8,370		2,511,000		100	.07
Total.	200	13,380	13,580		5,075,600		
Total receipts and shipments.	200	27,825	28,025		9,978,300		

1 No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	319	\$585,700
Vegetable food products, oil seeds, expressed oils, and beverages.....	2,473	316,100
Other vegetable products, except fibers and wood.....	140	32,300
Wood and paper.....	1,148	849,500
Nonmetallic minerals.....	670	11,800
Machinery and vehicles.....	1,708	1,481,200
Unclassified.....	21,567	6,701,700
Total.....	28,025	9,978,300

Vessel classification, 1920.

Classes.	Ameri- can.	Net reg- istered tonnage.	Passen- gers. ¹
Registered (arrivals only), steamers.....	303	205,922	35,415

¹ Arrived and departed.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The Graham & Morton Co. operated a regular line of steamers between Chicago and Holland during the navigation season.

The East Shore Line operated a line of small steamers between Holland, Saugatuck, and Grand Haven during the summer months.

GRAND HAVEN HARBOR, MICH.

Comparative statement of traffic.

Year.	General vessel traffic.			Car-ferry traffic.			Total passen- gers.
	Tons.	Value.	Passen- gers.	Tons.	Value.	Passen- gers.	
1908.....	(1)	(1)	(1)	(1)	(1)	(1)	104,941
1909.....	(1)	(1)	(1)	(1)	(1)	(1)	(2)
1910.....	(1)	(1)	(1)	(1)	(1)	(1)	67,605
1911.....	(1)	(1)	(1)	(1)	(1)	(1)	78,738
1912.....	(1)	(1)	(1)	(1)	(1)	(1)	86,550
1913.....	(1)	(1)	(1)	(1)	(1)	(1)	84,830
1914.....	210,170	\$14,166,364	(1)	435,634	\$35,165,309	(1)	74,930
1915.....	209,015	17,301,810	(1)	454,214	32,187,887	(1)	57,488
1916.....	173,535	16,160,141	(1)	543,666	44,926,596	(1)	75,170
1917.....	64,791	7,983,215	(1)	432,244	33,958,980	(1)	64,022
1918.....	29,774	2,733,514	25,936	513,760	42,697,873	2,909	28,845
1919.....	49,678	9,252,286	36,034	665,900	43,614,172	4,195	40,229
1920.....	58,404	9,049,920	30,960	690,836	66,982,000	2,780	33,720

¹ Division between general and car-ferry traffic unknown.² No statistics available.

[Navigation season, opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

(Car-ferry traffic not included.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		102	102	\$19,020	\$19,020	Miles. 13	(1)
Vegetable food products, oil seeds, expressed oils, and beverages: Fruit, fresh.....		145	145	9,250	9,250	28	\$0.155
Other vegetable products, except fibers and wood: Tanning materials.....		131	131	437,000	437,000	107	.087
Ores, metals, and manufactures of, except machinery and vehicles: Forgings, steel.....		75	75	26,250	26,250	95	.074
Machinery and vehicles.....			428		87,500		
Supplies, machine shop.....		178		37,500		108	.075
Supplies, printing machinery.....		250		50,000		95	.105
Unclassified.....			11,529		3,586,500		
Piano supplies.....		221		198,900		108	.111
Unclassified.....		11,308		3,387,600		107	.10
Total.....		12,410	12,410		4,165,520		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair: Leather.....		500	500	1,250,000	1,250,000	108	.092
Nonmetallic minerals: Gravel.....	36,162		36,162	43,900	43,900	18	(2)
Machinery and vehicles.....			730		310,000		
Printing presses and supplies.....		700		175,000		95	.116
Pneumatic tools.....		30		135,000		95	.095
Unclassified.....			8,602		3,280,500		
Pianos.....		1,147		1,080,000		108	.148
Refrigerators.....		388		80,700		108	.092
Unclassified.....		7,067		2,119,800		105	.081
Total.....	36,162	9,832	45,994		4,884,400		
Total receipts and shipments.....	36,162	22,242	58,404		9,049,920		

1 No rate; local catch.

2 No rate; hauled in owner's boat.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

[Via car-ferry.¹]

Commodities.	Amount in short tons. ²	Value.
RECEIPTS, INTERNAL.		
Grain	133,041	\$6,384,000
Lumber	48,849	1,220,000
Machinery	5,152	644,000
Meat	12,458	4,300,000
Unclassified	164,280	13,140,000
Total	363,780	25,748,000
SHIPMENTS, INTERNAL.		
Automobiles	11,278	11,278,000
Coal	87,233	786,000
Iron, manufactured	15,413	1,387,000
Machinery	11,785	1,475,000
Salt	9,890	81,000
Sugar	7,140	1,428,000
Unclassified	184,317	24,800,000
Total shipments, internal	327,056	41,234,000
Total receipts and shipments	690,836	66,982,000

¹ Average haul, 83 miles; average rate per ton-mile, \$0.0054.² Exclusive of dead weight of cars.*Number and dead-weight of loaded and empty cars.*

	Number.	Short tons.
Received:		
Empty cars	815	16,300
Loaded cars	15,404	308,080
Total	16,219	324,380
Shipped:		
Empty cars	2,280	45,600
Loaded cars	12,420	248,400
Total	14,700	294,000
Total received and shipped	30,919	618,380

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair	602	\$1,200,020
Vegetable food products, oil seeds, expressed oils, and beverages	145	9,250
Other vegetable products, except fibers and wood	131	437,000
Nonmetallic minerals	36,162	43,900
Ores, metals, and manufactures of, except machinery and vehicles	75	26,250
Machinery and vehicles	1,158	397,500
Unclassified	20,131	6,867,000
Total	58,404	9,040,920

Car ferry, short tons, 690,836; value, \$66,982,000.

Vessel classification, 1920.

Classes.	Ameri- can.	Net regis- tered ton- nage.	Passen- gers. ¹
Registered (arrivals only), steamers	989	1,562,616	33,720

¹ Arrived and departed.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The Grand Trunk Railway system operated two car ferries between Grand Haven and Milwaukee during the entire year.

The Goodrich Transit Co. operated a regular line of steamers between Grand Haven, Muskegon, and Chicago during the entire year.

The Wisconsin Transit Co. operated one steamer between Grand Haven, Muskegon, and Milwaukee from July 30 to November 2, 1920.

GRAND RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896.....	46,848	(1)	(1)	1909.....	34,728	\$22,965	(1)
1897.....	23,539	(1)	(1)	1910.....	48,928	33,110	(1)
1898.....	44,890	(1)	(1)	1911.....	49,718	68,407	5,104
1899.....	72,210	(1)	(1)	1912.....	41,984	91,284	5,983
1900.....	46,275	(1)	(1)	1913.....	62,822	91,546	5,132
1901.....	46,577	(1)	(1)	1914.....	49,555	166,139	5,176
1902.....	55,614	(1)	(1)	1915.....	55,143	117,034	4,509
1903.....	83,332	(1)	(1)	1916.....	49,495	64,079	2,767
1904.....	78,291	(1)	(1)	1917.....	44,203	61,301	3,546
1905.....	77,217	(1)	7,049	1918.....	44,160	28,150	(1)
1906.....	110,395	(1)	(1)	1919.....	38,985	32,584	(1)
1907.....	88,653	(1)	9,500	1920.....	56,250	65,000	.....
1908.....	25,913	(1)	(1)				

¹ No statistics available.

[Navigation season: Opened Apr. 20, closed Nov. 15, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by com- modities (bulk).	Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
			By com- modities	By classes.		
DOWNSTREAM, INTERNAL.						
Wood and paper: Logs.....	750	750	\$5,000	\$5,000	Miles. 21	(1)
Nonmetallic minerals: Sand and gravel.....	55,500	55,500	60,000	60,000	16	(2)
Total.....	56,250	56,250		65,000		

¹ Floated down in rafts.

* No rate; hauled in owner's boat.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Wood and paper.....	750	\$5,000
Nonmetallic minerals.....	55,500	60,000
Total.....	56,250	65,000

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers.....	3	50
Unrigged.....	9	450
Total.....	12	500

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

The Michigan Materials Co. and the T. Van Weelden Co. operated tugs and barges in the sand and gravel business on the lower 16 miles of the river during the navigation season.

MUSKEGON HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.....	1,053,028	(1)	(1)	1905.....	238,721	(1)	(1)
1890.....	733,542	(1)	(1)	1906.....	136,340	(1)	(1)
1891.....	1,199,513	(1)	(1)	1907.....	100,194	(1)	(1)
1892.....	833,290	(1)	(1)	1908.....	115,269	\$13,522,000	44,386
1893.....	1,715,532	(1)	(1)	1909.....	112,746	6,580,759	(1)
1894.....	741,598	(1)	(1)	1910.....	103,762	4,714,883	44,600
1895.....	332,409	(1)	(1)	1911.....	114,015	6,339,136	54,739
1896.....	295,841	(1)	(1)	1912.....	91,659	4,691,252	66,540
1897.....	524,454	(1)	(1)	1913.....	110,773	7,819,964	69,774
1898.....	214,146	(1)	(1)	1914.....	119,811	8,154,536	71,449
1899.....	833,983	(1)	(1)	1915.....	115,035	8,244,279	62,317
1900.....	268,123	(1)	(1)	1916.....	127,496	10,247,808	75,324
1901.....	176,368	(1)	(1)	1917.....	78,092	6,987,399	62,283
1902.....	227,013	(1)	(1)	1918.....	114,374	9,108,562	64,489
1903.....	174,353	(1)	(1)	1919.....	146,833	23,028,784	90,803
1904.....	137,109	(1)	(1)	1920.....	174,500	20,680,900	95,870

¹No statistics available.

[Navigation season: Opened Jan. 1, closed Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Pulp wood.....	15,600	15,600	\$76,400	\$76,400

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.		70	70	\$21,800	\$21,800	Miles. 10	(1)
Vegetable food products, oilseeds, expressed oils, and beverages:							
Groceries.....		545	545	163,500	163,500	106	\$0.0896
Textiles: Cotton, baled.....		600	600	372,000	372,000	118	.006
Wood and paper.....			15,840		77,000		
Pulp wood.....	15,000			72,200		200	.009
Slabs.....	840			4,800		194	.0147
Nonmetallic minerals.....			80,740		2,389,300		
Cement.....		1,340		27,000		126	.020
Gasoline.....	41,000			2,108,000		126	.006
Gravel.....	30,000			39,500		18	.039
Kerosene.....	7,300			212,600		126	.0056
Stone, crushed.....	1,100			2,200		127	.0063
Ores, metals, and manufactures of, except machinery and vehicles:							
Castings.....		4,000	4,000	736,000	736,000	101	.076
Machinery and vehicles: Foundry supplies.....		705	705	95,200	95,200	118	.072
Unclassified.....		27,300	27,300	8,190,000	8,190,000	104	.0644
Total.....	95,240	34,560	129,800		12,044,800		
SHIPMENTS, INTERNAL.							
Other vegetable products, except fibers and wood: Tires.....		2,000	2,000	1,077,300	1,077,300	101	.079
Textiles: Underwear, cotton.....		300	300	240,000	240,000	118	.096
Wood and paper.....			1,843		511,400		
Furniture.....		328		118,000		92	.170
Office equipment.....		742		286,800		112	.149
Paper, wrapping.....		773		90,600		101	.0594
Ores, metals, and manufactures of, except machinery and vehicles:							
Castings.....		1,480	1,480	352,800	352,800	108	.075
Unclassified.....			23,477		6,378,200		
Billiard and bowling sundries:							
Pianos.....		4,000		400,000		101	.0694
Refrigerators.....		298		231,300		101	.168
Unclassified.....		119		28,900		105	.131
Unclassified.....		10,060		5,718,000		107	.0713
Total.....		20,100	29,100		8,559,700		
Total receipts and shipments.....	95,240	63,660	158,900		20,604,500		

1 No rate; local catch.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			70	\$21,800
Vegetable food products, oilseeds, expressed oils, and beverages.....			545	163,500
Other vegetable products, except fibers and wood.....			2,000	1,077,300
Textiles.....			900	612,000
Wood and paper.....	15,600	\$76,400	17,683	588,400
Nonmetallic minerals.....			80,740	2,380,300
Ores, metals, and manufactures of, except machinery and vehicles.....			5,480	1,088,800
Machinery and vehicles.....			705	95,200
Unclassified.....			50,777	14,568,200
Total.....	15,600	76,400	158,900	20,604,500

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.	Passengers. ¹
Registered (arrivals only):			
Steamers.....	524	521,676	95,870
Unrigged.....	7	3,300	
Total.....	531	525,176	95,870

¹ Arrived and departed.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

Regular package freight lines operated during the navigation season between Muskegon and other ports as follows:

Goodrich Transit Co. to Grand Haven and Chicago.

Crosby Transportation Co. to Milwaukee.

Wisconsin Transit Co. to Grand Haven and Milwaukee.

WHITE LAKE HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.....	10,157	(1)	(1)	1906.....	400	(1)	(1)
1890.....	70,075	(1)	(1)	1907.....	4,130	(1)	(1)
1891.....	58,623	(1)	(1)	1908.....	12,679	\$475,000	12,000
1892.....	41,248	(1)	(1)	1909.....	11,590	296,822	15,000
1893.....	21,593	(1)	(1)	1910.....	21,064	204,076	12,000
1894.....	24,661	(1)	(1)	1911.....	16,583	2,672,771	12,750
1895.....	102,406	(1)	(1)	1912.....	14,893	296,123	13,707
1896.....	71,560	(1)	(1)	1913.....	11,078	263,855	15,906
1897.....	166,229	(1)	(1)	1914.....	10,695	351,280	16,302
1898.....	15,857	(1)	(1)	1915.....	10,071	335,941	11,675
1900.....	(1)	(1)	(1)	1916.....	7,063	253,930	15,139
1901.....	(1)	(1)	(1)	1917.....	4,621	361,130	12,181
1902.....	(1)	(1)	(1)	1918.....	3,202	180,271	9,240
1903.....	(1)	(1)	(1)	1919.....	508	442,684	10,951
1904.....	(1)	(1)	(1)	1920.....	313	49,150	9,897

¹ No statistics available; also none available for years omitted.

[Navigation season: Opened May 21; closed Oct. 17, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Nonmetallic minerals:						Miles.	
Gravel.....	150		150	\$250	\$250	30	\$0.025
Unclassified.....		130	130	39,000	39,000	120	.11
Total.....	150	130	280		39,250		
SHIPMENTS, INTERNAL.							
Unclassified.....		33	33	9,900	9,900	120	.11
Total receipts and shipments.....	150	163	313		49,150		

SUMMARY.

Classes of commodities.	Tons.	Value.
Nonmetallic minerals.....	150	\$250
Unclassified.....	163	48,900
Total.....	313	49,150

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.	Passengers. ¹
Registered (arrivals only), steamers.....	31	52,204	9,897

¹ Arrived and departed.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The Goodrich Transit Co. operated a line of steamers between Chicago and the White Lake summer-resort points from June to September. Their boats did not run to Whitehall or Montague at the east end of White Lake.

PENTWATER HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	290,384	(1)	(1)	1907.....	2,532	(1)	(1)
1891.....	23,583	(1)	(1)	1908.....	2,431	\$340,000	3,500
1892.....	546,217	(1)	(1)	1909.....	4,639	294,657	6,847
1893.....	14,651	(1)	(1)	1910.....	4,277	92,662	3,600
1894.....	31,442	(1)	(1)	1911.....	4,419	257,375	10,200
1895.....	18,347	(1)	(1)	1912.....	1,619	159,713	8,879
1896.....	17,090	(1)	(1)	1913.....	3,527	264,213	3,286
1897.....	30,765	(1)	(1)	1914.....	12,887	214,248	4,404
1898.....	19,258	(1)	(1)	1915.....	6,061	184,294	3,131
1900.....	29,753	(1)	(1)	1916.....	2,204	220,316	2,656
1901.....	8,070	(1)	(1)	1917.....	534	58,375	596
1903.....	22,230	(1)	(1)	1918.....			
1904.....	15,423	(1)	(1)	1919.....	16	3,500	
1905.....	2,840	(1)	(1)	1920.....	989	\$2,650	6
1906.....	13,413	(1)	(1)				

¹ No statistics available.

[Navigation season: Opened Apr. 20; closed Dec. 19, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (pack- age).	Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
			By com- modities.	By classes.		
RECEIPTS, INTERNAL.						
Animals and animal products, except wool and hair: Fish, fresh.....	10	10	\$1,740	\$1,740	Miles. 9	(1)
Unclassified.....	37	37	5,550	5,550	111	\$0.091
Total.....	47	47		7,290		
SHIPMENTS, INTERNAL.						
Vegetable food products, oilseeds, expressed oils, and beverages: Fruit, fresh.....	942	942	75,360	75,360	111	.115
Total receipts and shipments.....	989	989		82,650		

¹ No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	10	\$1,740
Vegetable food products, oilseeds, expressed oils, and beverages.....	942	75,360
Unclassified.....	37	5,550
Total.....	989	\$2,650

Vessel classification, 1920.

Classes.	Amer- can.	Net reg- istered tonnage.	Passen- gers. ¹
Registered (arrivals only) steamers.....	90	2,430	6

¹ Arrived and departed.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The vessel traffic at this harbor consisted of one small motor boat operated by the Pere Marquette Line steamers from July to October between Pentwater and Ludington carrying principally fruit.

LUDINGTON HARBOR, MICH.

Comparative statement of traffic.

Year.	General vessel traffic.			Car-ferry traffic.			Total passengers.
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.	
1908.....	(1)	(1)	(2)	(1)	(1)	(2)	18,268
1909.....	(1)	(1)	(2)	(1)	(1)	(2)	26,135
1910.....	(1)	(1)	(2)	(1)	(1)	(2)	43,983
1911.....	(1)	(1)	(2)	(1)	(1)	(2)	43,053
1912.....	(1)	(1)	(2)	(1)	(1)	(2)	44,591
1913.....	(1)	(1)	(2)	(1)	(1)	(2)	41,562
1914.....	367,012	\$18,618,236	(2)	1,143,425	\$34,790,474	(2)	38,432
1915.....	459,454	16,804,669	(2)	1,321,875	40,354,368	(2)	29,940
1916.....	297,063	12,702,181	(2)	1,678,214	56,760,588	(2)	32,613
1917.....	302,709	12,703,502	(2)	1,460,016	59,381,250	(2)	25,132
1918.....	268,999	9,720,164	15,243	2,083,265	120,547,172	4,535	19,778
1919.....	292,447	22,686,460	24,880	1,996,426	148,026,785	5,901	30,781
1920.....	246,883	11,823,050	21,485	1,829,137	121,561,450	6,500	27,985

¹ No statistics available.² Division between general and car-ferry traffic unknown.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

[Car-ferry traffic not included.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		112	112	\$27, 100	\$27, 100	Miles. 7	(1)
Vegetable food products, oil seeds, expressed oils, and beverages.....			2, 563		134, 000		
Mill stuffs.....		600		30, 000		60	\$0. 050
Oats and corn.....		1, 963		104, 000		97	. 0105
Nonmetallic minerals.....			65, 018		400, 100		
Coal.....	50, 254			376, 000		538	. 0024
Sand.....	9, 300			14, 000		45	. 014
Stone, crushed.....	5, 464			10, 100		76	. 01
Unclassified.....		14, 307	14, 307	3, 100, 000	3, 100, 000	97	. 066
Total.....	65, 018	16, 982	82, 000		3, 661, 200		

¹ No rate; local catch.² Sand (2,700 tons) and all stone used for repairs of south Government breakwater.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes of commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages.			4,761		\$675,400	<i>Miles.</i>	<i>Cents.</i>
Fruit, fresh.....		2,334		\$190,000		97	.119
Sugar.....		2,427		485,400		97	.0172
Textiles: Burlap.....		293	293	33,750	33,750	97	.0158
Wood and paper.....			581		161,000		
Furniture and furnishings.		287		153,600		97	.145
Lumber.....	294			7,400		156	.0177
Nonmetallic minerals: Salt.....	128,530	760	129,290	1,000,000	1,000,000	218	.00445
Ores, metals, and manufactures of, except machinery and vehicles: Stampings, steel.....		54	54	37,800	37,800	156	.072
Machinery and vehicles: Machinery and parts.....		887	887	253,900	253,900	97	.104
Unclassified.....		29,017	29,017	6,000,000	6,000,000	97	.05
Total.....	128,824	36,050	164,883		8,161,850		
Total receipts and shipments.....	193,842	53,041	246,883		11,823,050		

[Via car ferry.¹]

Commodities.	Amount in short tons. ²	Value.
RECEIPTS, INTERNAL.		
Flour and feed	140,000	\$16,100,000
Forest products	314,000	7,850,000
Grain	155,000	7,439,700
Iron and steel, manufactured	58,000	5,220,000
Malt	26,000	2,158,000
Machinery	26,000	3,250,000
Paper	26,000	6,500,000
Sand and stone	36,000	72,000
Unclassified	201,937	16,150,000
Total	982,937	64,739,700
SHIPMENTS, INTERNAL.		
Ash, soda	29,000	1,450,000
Automobiles	27,000	27,000,000
Coal	436,000	3,940,000
Forest products	24,000	600,000
Fruit and vegetables	11,000	770,000
Iron and steel, manufactured	98,000	8,820,000
Lime and cement	13,000	208,000
Machinery	14,000	1,750,000
Paper	13,000	3,250,000
Salt	87,000	717,750
Sand, stone, and marble	33,000	66,000
Unclassified	61,200	8,250,000
Total	846,200	56,821,750
Total receipts and shipments	1,829,137	121,561,450

¹ Average haul, 80 miles; average rate per ton-mile, \$0.0051.² Exclusive of dead weight of cars.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

[Via car ferry.]

	Number and dead weight of cars.	
	Number.	Short tons.
Received:		
Empty cars.....	5, 124	102, 480
Loaded cars.....	39, 132	782, 640
Total.....	44, 256	885, 120
Shipped:		
Empty cars.....	4, 778	95, 580
Loaded cars.....	36, 391	727, 820
Total.....	41, 169	823, 380
Total received and shipped.....	85, 425	1, 708, 500

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	112	\$27, 100
Vegetable food products, oil seeds, expressed oils, and beverages.....	7, 324	809, 400
Textiles.....	293	33, 750
Wood and paper.....	581	161, 000
Nonmetallic minerals.....	194, 308	1, 400, 100
Ores, metals, and manufactures of, except machinery and vehicles.....	54	37, 800
Machinery and vehicles.....	887	263, 900
Unclassified.....	43, 324	9, 100, 000
Total.....	246, 883	11, 823, 050

Car ferry, short tons, 1, 829, 137; value, \$121, 561, 450.

Vessel classification, 1920.

Classes.	Ameri- can.	Net reg- istered tonnage.	Passen- gers. ¹
Registered (arrivals only), steamers.....	2, 187	3, 150, 824	27, 985

¹ Arrived and departed.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The Pere Marquette Railway Co. operated a line of car ferries from Ludington to Milwaukee and Manitowoc during the entire year.

The Pere Marquette Line steamers operated a translake line of steamers between Ludington, Manistee, and Milwaukee during the entire year, and a motor boat between Ludington and Pentwater during the navigation season.

The Michigan Transit Co. operated a line of steamers to Ludington and other northern Michigan ports during the navigation season.

MANISTEE HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	667,031	\$7,400,545	(¹)	1905.....	469,870	(¹)	(¹)
1891.....	647,287	(¹)	(¹)	1906.....	443,931	(¹)	(¹)
1892.....	743,519	(¹)	(¹)	1907.....	356,864	(¹)	(¹)
1893.....	739,665	(¹)	(¹)	1908.....	428,084	\$17,411,000	14,380
1894.....	968,135	(¹)	(¹)	1909.....	439,598	5,982,190	23,000
1895.....	675,500	(¹)	(¹)	1910.....	324,723	7,170,064	27,450
1896.....	675,607	(¹)	(¹)	1911.....	320,820	3,763,626	29,359
1897.....	528,244	(¹)	(¹)	1912.....	355,740	3,925,711	25,879
1898.....	575,608	(¹)	(¹)	1913.....	306,898	3,991,599	25,809
1899.....	490,493	(¹)	(¹)	1914.....	196,322	3,520,595	20,968
1900.....	452,666	(¹)	(¹)	1915.....	90,842	1,884,157	19,252
1901.....	625,618	(¹)	(¹)	1916.....	83,091	2,005,849	16,283
1902.....	634,979	(¹)	(¹)	1917.....	100,906	1,713,804	11,270
1903.....	812,259	(¹)	(¹)	1918.....	44,223	997,199	6,436
1904.....	570,361	(¹)	(¹)	1919.....	45,722	1,992,366	9,909
	793,823	(¹)	(¹)	1920.....	35,190	2,053,700	7,887

¹ No statistics available.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh		96	96	\$22,060	\$22,060	Miles. 8	(1)
Vegetable food products, oil seeds, expressed oils, and beverages:							
Mill stuff		400		20,000	20,000	66	\$0.045
Wood and paper:			1,340		6,240		
Pulpwood	700			2,840		118	.013
Slabs	640			3,400		56	.036
Nonmetallic minerals: Stone, rubble ²	2,586		2,586	7,100	7,100	65	.019
Machinery and vehicles:			103		72,900		
Knitting mill supplies		38		55,000		143	.072
Machine shop supplies		65		17,900		156	.062
Unclassified		3,052	3,052	915,600	915,600	153	.064
Total	3,926	3,651	7,577		1,043,900		
SHIPMENTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages:							
Apples, cider	50		50	800	800	118	.021
Wood and paper:			575		33,300		
Furniture		35		21,000		162	.152
Lumber	540			12,300		175	.0156
Nonmetallic minerals: Salt	11,610	13,439	25,049	266,800	266,800	355	.0062
Machinery and vehicles: Machinery		182	182	181,800	181,800	143	.102
Unclassified		1,757	1,757	527,100	527,100	154	.066
Total	12,200	15,413	27,613		1,009,800		
Total receipts and shipments.	16,126	19,064	35,190		2,053,700		

¹ No rate; local catch.² Government materials for repairing harbor piers.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	96	\$22,060
Vegetable food products, oilseeds, expressed oils, and beverages.....	450	20,800
Wood and paper.....	1,915	39,540
Nonmetallic minerals.....	27,635	273,900
Machinery and vehicles.....	285	254,700
Unclassified.....	4,809	1,442,700
Total	35,190	2,053,700

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.
Registered (arrivals only):		
Steamers.....	252	222,314
Sailing.....	2	230
Unrigged.....	2	378
Total	256	222,922

Passengers arrived and departed, 7,837.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The Pere Marquette Line steamers operated a translake line of steamers between Milwaukee and Manistee, via Ludington, during the entire year, and a coastwise line of motor boats between Manistee, Onekawa, and Arcadia during the navigation season.

The Michigan Transit Co. operated a line of steamers from Chicago to northern Michigan points, including Manistee, during the navigation season.

PORTAGE LAKE HARBOR OF REFUGE, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1907.....	3,793	(¹)	(¹)	1914.....	2,433	\$297,534	5,762
1908.....	3,441	\$147,000	(¹)	1915.....	2,041	265,175	5,356
1909.....	2,173	171,925	(¹)	1916.....	1,779	225,900	7,410
1910.....	1,805	96,950	7,000	1917.....	819	111,975	4,625
1911.....	2,100	124,500	6,887	1918.....	559	68,475	1,082
1912.....	2,226	149,320	7,027	1919.....	2,466	402,400	5,196
1913.....	2,184	282,950	7,197	1920.....	1,636	241,760	3,143

¹ No statistics available.

[Navigation season: Opened Apr. 24; closed Nov. 14, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Unclassified		476	476	\$142,800	\$142,800	Miles. 158	\$0.058
SHIPMENTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			692		52,160		
Apples, cider	50			800		110	.023
Fruit, fresh.....		642		51,360		133	.083
Unclassified.....		468	468	46,800	46,800	186	.072
Total.....	50	1,110	1,160	98,960	98,960		
Total receipts and shipments..	50	1,586	1,636		241,760		

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products, oil seeds, expressed oils, and beverages.....	692	\$52,160
Unclassified.....	944	180,600
Total.....	1,636	241,760

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.	Passengers.
Registered (arrivals only): Steamers.....	107	119,292	3,143

Passengers arrived and departed.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The Pere Marquette Line steamers operated a small gasoline boat from Manistee to Portage Lake and Arcadia during the season of navigation.

The Michigan Transit Co. operated a line of steamers from Chicago to northern Michigan points, including Portage Lake, during the navigation season.

ARCADIA HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894.....	24,571	(1)	(1)	1909.....	4,278	\$345,580	(1)
1895.....	20,361	(1)	(1)	1911.....	18,455	347,671	3,637
1896.....	24,467	(1)	(1)	1912.....	26,650	328,875	4,265
1897.....	25,587	(1)	(1)	1913.....	22,626	289,219	795
1898.....	24,466	(1)	(1)	1914.....	21,525	286,126	1,107
1899.....	28,886	(1)	(1)	1915.....	10,983	163,239	513
1900.....	30,401	(1)	(1)	1916.....	4,422	177,000	743
1901.....	24,121	(1)	(1)	1917.....	396	56,775	147
1902.....	2,014	(1)	(1)	1918.....	151	22,650	11
1907.....	70,556	(1)	(1)	1919.....	494	93,750	37
1908.....	2,975	(1)	1,807	1920.....	269	75,100	48

¹ No statistics available; also none available for years omitted.

[Navigation season: Opened June 17: closed Nov. 14, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL.						
Animals and animal products, except wool and hair: Fish, fresh	80	80	\$23,300	\$23,300	Miles. 10	(1)
Unclassified.....	72	72	21,600	21,600	100	\$0.087
Total	152	152	.....	44,900	.....	.....
SHIPMENTS, INTERNAL.						
Vegetable food products, oilseeds, expressed oils, and beverages: Fruit, fresh.....	77	77	6,200	6,200	140	.096
Wood and paper: Furniture.....	40	40	24,000	24,000	140	.096
Total	117	117	.....	30,200	.....	.....
Total receipts and shipments.....	269	269	.....	75,100	.....	.....

¹ No rate: local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	80	\$23,300
Vegetable food products, oilseeds, expressed oils, and beverages.....	77	6,200
Wood and paper.....	40	21,000
Unclassified.....	72	21,600
Total.....	269	75,100

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.	Passengers. ¹
Registered (arrivals only): Steamers ²	50	1,350	48

¹ Passengers arrived and departed.

² Departures equal arrivals.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

The Pere Marquette Line steamers operated a small gasoline boat from Manistee to Portage Lake and Arcadia during the navigation season.

FRANKFORT HARBOR, MICH.

Comparative statement of traffic.

Year.	General vessel traffic.			Car-ferry traffic.			Total passengers. ¹
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.	
1908.....	(2)	(2)	(2)	(2)	(2)	(2)	4,000
1909.....	(2)	(2)	(2)	(2)	(2)	(2)	6,908
1910.....	(2)	(2)	(2)	(2)	(2)	(2)	10,870
1911.....	(2)	(2)	(2)	(2)	(2)	(2)	9,504
1912.....	(2)	(2)	(2)	(2)	(2)	(2)	7,763
1913.....	(2)	(2)	(2)	(2)	(2)	(2)	6,765
1914.....	6,820	\$619,667	(2)	730,428	\$18,198,410	(2)	8,555
1915.....	2,341	352,824	(2)	716,558	21,453,469	(2)	4,771
1916.....	1,855	250,300	(2)	9'9,355	27,491,069	(2)	4,703
1917.....	1,872	247,625	(2)	1,263,539	38,684,373	(2)	3,678
1918.....	474	99,229	(2)	1,112,557	56,141,120	(2)	3,972
1919.....	1,869	444,925	5,140	1,395,737	80,268,017	(2)	5,140
1920.....	4,885	413,000	3,512	1,427,646	101,222,400	3,348	6,860

¹ No statistics available prior to 1908.

² Division between general and car-ferry traffic unknown.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1920.

DOMESTIC.

[Car-ferry traffic not included.]

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		226	226	\$73,800	\$73,800	Miles. 19	(¹)
Vegetable food products, oil seeds, expressed oils, and beverages: Sugar.....		75	75	15,000	15,000	204	\$0.079
Nonmetallic minerals: Stone, rubble ²	3,453		3,453	8,700	8,700	58	.018
Unclassified.....		459	459	103,000	103,000	204	.079
Total.....	3,453	760	4,213		200,500		
SHIPMENTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages.....	50		428	800	157,500	92	.0217
Fruit, preserved.....		378		156,700		204	.074
Unclassified.....		244	244	55,000	55,000	204	.0823
Total.....	50	622	672		212,500		
Total receipts and shipments.	3,503	1,382	4,885		413,000		

¹ No rate; local catch.

² Government materials for repairs of harbor piers.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

[Via car ferry.]¹

Commodities.	Amount in short tons. ²	Value.
RECEIPTS, INTERNAL.		
Aluminum, manufactured.....	455	\$500,000
Broom handles.....	800	100,000
Flour.....	63,302	7,280,000
Grain.....	35,853	1,720,000
Lumber.....	144,620	3,720,000
Tinplate boxes.....	820	36,400
Unclassified.....	609,580	41,210,000
Total.....	855,430	54,566,400
SHIPMENTS, INTERNAL.		
Aluminum, sheet.....	575	431,000
Coal.....	246,568	2,225,000
Unclassified.....	325,073	44,000,000
Total.....	572,216	46,656,000
Total receipts and shipments.....	1,427,646	101,222,400

Number and dead weight of cars.	Number.	Short tons.
Received:		
Empty cars.....	2,450	41,650
Loaded cars.....	27,576	468,792
Total.....	30,026	510,442
Shipped:		
Empty cars.....	4,909	83,453
Loaded cars.....	15,196	258,332
Total.....	20,105	341,785
Total received and shipped.....	50,131	852,227

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	226	\$73,800
Vegetable food products, oil seeds, expressed oils, and beverages.....	503	172,500
Nonmetallic minerals.....	3,453	8,700
Unclassified.....	703	158,000
Total.....	4,885	413,000

¹ Average haul, 79 miles; average rate per ton-mile, \$0.0048.² Exclusive of dead-weight of cars.

Car ferry, short tons, 1,427,646; value, \$101,222,400.

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.	Passengers ¹
Registered (arrivals only): Steamers ²	1,223	2,243,309	6,880

¹ Passengers arrived and departed.² Departures equal arrivals.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

The Ann Arbor Railroad Co. operated a regular line of car ferries from Frankfort to Manistowoc, Kewaunee, Menominee, and Manistique.

The Michigan Transit Co. operated a line of steamers from Chicago to northern Michigan points, including Frankfort.

TRAVERSE CITY, MICH.

[Navigation season: Opened Apr. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		106	106	\$27, 750	\$27, 750	Miles. 26	(¹)
Vegetable food products, oil seeds, expressed oils, and beverages.....			4, 088		89, 800		
Apples.....		3, 950		63, 200		21	\$0. 085
Candies and supplies.....		23		12, 400		293	. 054
Hay.....		25		700		16	. 25
Peas.....		90		13, 500		16	. 42
Wood and paper: Lumber.....	1, 010		1, 010	38, 000	38, 000	68	. 085
Unclassified.....		886	886	265, 800	265, 800	293	. 07
Total.....	1, 010	5, 080	6, 090		421, 350		
SHIPMENTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			545		104, 500		
Canned cherries and cider.....		45		4, 500		293	. 018
Cider and apple products.....		500		100, 000		293	. 018
Unclassified.....		840	840	252, 000	252, 000	293	. 05
Total.....		1, 385	1, 385		356, 500		
Total receipts and shipments..	1, 010	6, 465	7, 475		777, 850		

¹ No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	106	\$27, 750
Vegetable food products, oilseeds, expressed oils, and beverages.....	4, 633	194, 300
Wood and paper.....	1, 010	38, 000
Unclassified.....	1, 726	517, 800
Total.....	7, 475	777, 850

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.	Passengers. ¹
Registered (arrivals only):²			
Steamers.....	46	39, 908	236
Unrigged.....	3	267	
Total.....	49	40, 175	236

¹ Passengers arrived and departed.

² Departures equal arrivals.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

The usual limit of draft for the apple and cider traffic, comprising 60 per cent of the total tonnage, is 10 feet; that for lumber (13 per cent), is 12 feet; and that for the remaining miscellaneous package freight (27 per cent), is 16½ feet.

The Michigan Transit Co. operated a line of steamers from Chicago to northern Michigan points during the summer season, making regular stops at Traverse City.

The Roen Steamboat Service and the Morgan Transportation Co. operated small freight boats to near-by points, touching at Traverse City.

CHARLEVOIX HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889.....	42,270	(1)	(1)	1905.....	66,670	(1)	(1)
1890.....	68,766	(1)	(1)	1906.....	3,413	(1)	(1)
1891.....	198,186	(1)	(1)	1907.....	58,984	(1)	(1)
1892.....	42,181	(1)	(1)	1908.....	45,211	\$2,643,000	(1)
1893.....	181,240	(1)	(1)	1909.....	227,956	2,353,368	3,003
1894.....	423,227	(1)	(1)	1910.....	234,120	3,810,879	11,900
1895.....	70,911	(1)	(1)	1911.....	212,232	2,812,343	6,975
1896.....	183,778	(1)	(1)	1912.....	251,798	2,216,927	8,275
1897.....	134,236	(1)	(1)	1913.....	198,160	1,978,757	10,207
1898.....	89,926	(1)	(1)	1914.....	155,902	1,606,400	9,694
1899.....	124,109	(1)	(1)	1915.....	172,052	1,574,763	4,175
1900.....	260,821	(1)	(1)	1916.....	159,649	1,427,542	7,150
1901.....	190,156	(1)	(1)	1917.....	110,099	783,736	6,281
1902.....	245,977	(1)	(1)	1918.....	107,246	913,047	1,861
1903.....	117,586	(1)	(1)	1919.....	110,660	1,068,721	6,719
1904.....	113,376	(1)	(1)	1920.....	62,850	1,111,260	7,633

¹ No statistics available.

[Navigation season: Opened Mar. 28; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		523	523	\$163,300	\$163,300	Miles. 32	\$0.340
Wood and paper.....			1,247		21,320		
Lumber.....	437			17,680		33	.045
Wood.....	810			3,640		33	.045
Nonmetallic minerals.....			1,429		12,000		
Cement.....		120		2,700		276	.062
Coal, soft.....	800			8,000		276	.0055
Stone ¹	509			1,300		113	.0097
Ores, metals, and manufactures of, except machinery and vehicles:							
Ore, iron.....	49,760		49,760	232,800	232,800	99	.0083
Unclassified.....		771	771	231,300	231,300	242	.081
Total.....	52,316	1,414	53,730		660,720		
SHIPMENTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages:							
Flour, feed, grain, etc.....		168	168	10,080	10,080	33	.24
Wood and paper: Lumber.....	8,284		8,284	256,700	256,700	410	.0076
Nonmetallic minerals.....			65		2,860		
Cement.....		25		560		75	.024
Gasoline and kerosene.....		40		2,300		33	.24
Unclassified.....		603	603	180,900	180,900	196	.064
Total.....	8,284	836	9,120		450,540		
Total receipts and shipments.....	60,600	2,250	62,850		1,111,260		

¹ Used for repairs of Government works.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	523	\$163,300
Vegetable food products, oilseeds, expressed oils, and beverages.....	168	10,080
Wood and paper.....	9,531	278,020
Nonmetallic minerals.....	1,494	14,800
Ores, metals, and manufactures of, except machinery and vehicles.....	49,760	232,800
Unclassified.....	1,374	412,200
Total.....	62,850	1,111,200

Vessel classification, 1920.

Classes.	Ameri- can.	Net reg- istered tonnage.	Passen- gers. ¹
Registered (arrivals only): ²			
Steamers.....	434	280,351	7,633
Sailing.....	2	230	.....
Total.....	436	280,581	7,633

¹ Passengers arrived and departed.² Departures equal arrivals.

No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

The Michigan Transit Co. operated a line of steamers from Chicago to northern Michigan points during the summer season, making regular stops at Charlevoix.

The Beaver Island Transportation Co. operated one boat between Beaver Island and Charlevoix.

PETOSKEY HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892.....	31,017	(1)	(1)	1910.....	2,687	\$470,225	4,600
1893.....	17,809	(1)	(1)	1911.....	3,200	560,000	1,935
1894.....	19,660	(1)	(1)	1912.....	3,333	526,718	1,767
1895.....	22,110	(1)	(1)	1913.....	2,835	406,985	2,307
1896.....	29,156	(1)	(1)	1914.....	2,851	364,948	951
1897.....	20,333	(1)	(1)	1915.....	1,291	192,921	700
1898.....	15,059	(1)	(1)	1916.....	1,056	158,527	561
1901.....	130,800	(1)	(1)	1917.....	1,052	158,155	240
1905.....	112,544	(1)	(1)	1918.....	1,934	134,156	117
1908.....	858	\$212,000	(1)	1919.....	1,559	467,192	1,292
1909.....	3,250	585,000	1,456	1920.....	1,291	387,290	2,502

¹ No statistics available; also none available for years omitted.

[Navigation season, opened Apr. 25; closed Dec. 3, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh.....		7	7	\$2,090	\$2,090	Miles. 10	(1)
Vegetable food products, oil seeds, expressed oils, and beverages:							
Groceries.....	35	35	35	10,500	10,500	5	\$0.6
Unclassified.....	774	774	774	232,200	232,200	293	.034
Total.....		816	816		244,790		
SHIPMENTS, INTERNAL.							
Vegetable food products, oilseeds, expressed oils, and beverages:							
Groceries.....	187	187	187	56,100	56,100	32	.14
Unclassified.....	288	288	288	86,400	86,400	293	.041
Total.....		475	475		142,500		
Total receipts and shipments.....		1,291	1,291		387,290		

¹ No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	7	\$2,090
Vegetable food products, oilseeds, expressed oils, and beverages.....	222	66,600
Unclassified.....	1,062	318,600
Total	1,291	387,290

Vessel classification, 1920.

Classes.	American.	Net registered tonnage.	Passengers. ¹
Registered (arrivals only): Steamers.....	380	137,785	2,502

¹ Arrived and departed; 34,000 carried by local ferry line not included.

No unregistered craft, except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

Departures equal arrivals.

The Michigan Transit Co. operated a line of steamers from Chicago to Petoskey and other northern Michigan points during the navigation season.

The Little Traverse Bay Ferry Line carried passengers and general merchandise between Petoskey and near-by summer resorts.

CHICAGO, ILL., DISTRICT.

ILLINOIS RIVER, ILL.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	126,390	(?)	(?)	1906.....	122,385	(?)	(?)
1891.....	135,495	(?)	(?)	1907.....	116,705	(?)	(?)
1892.....	157,275	(?)	(?)	1908.....	115,375	(?)	(?)
1893.....	156,390	(?)	(?)	1909.....	59,200	\$1,917,500	45,800
1894.....	145,875	(?)	(?)	1910.....	106,320	2,841,520	75,200
1895.....	137,640	(?)	(?)	1911.....	173,529	3,537,150	62,300
1896.....	142,105	(?)	(?)	1912.....	167,698	3,338,879	68,400
1897.....	145,195	(?)	(?)	1913.....	141,497	3,154,491	130,400
1898.....	123,243	(?)	(?)	1914.....	178,199	3,730,458	131,000
1899.....	141,675	(?)	(?)	1915.....	239,677	3,702,832	74,172
1900.....	155,925	(?)	(?)	1916.....	219,272	5,340,555	112,984
1901.....	135,485	(?)	(?)	1917.....	284,970	7,673,707	* 32,574
1902.....	121,851	(?)	(?)	1918.....	165,252	8,710,917	110,701
1903.....	120,890	(?)	(?)	1919.....	180,503	6,810,325	96,093
1904.....	115,035	(?)	(?)	1920.....	187,007	7,567,135	81,930
1905.....	114,950	(?)	(?)				

* Traffic between Illinois River and St. Louis, no "local" available.

* No statistics available.

* Unable to obtain complete return.

[Navigation season: Opened Mar. 1, 1920; closed Dec. 20, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
UPBOUND.							
Animals and animal prod- ucts: Live stock.....		245	245	\$115,315	\$115,315	<i>Miles.</i> 90	\$0.100
Vegetable food products.....			20,831		1,040,165		
Apples.....		890		78,178		95	.095
Grain.....	19,941			961,987		90	.045
Unclassified: Miscellaneous package.....		14,590	14,590	2,158,440	2,158,440	80	.056
Total.....	19,941	15,725	35,666		3,313,920		
DOWNBOUND.							
Animals and animal prod- ucts.....			4,967		2,203,175		
Live stock.....		4,662		2,190,975		90	.100
Shells.....		305		12,200		40	.045
Vegetable food products.....			15,080		797,682		
Apples.....		1,790		156,357		95	.095
Grain.....	13,290			641,325		90	.045
Nonmetallic minerals.....			127,654		712,758		
Coal.....	6,924			31,158		75	.020
Sand and gravel.....	120,730			681,690		40	.025
Unclassified: Miscellaneous package.....		3,640	3,640	539,600	539,600	80	.056
Total.....	140,944	10,397	151,341		4,253,215		
Total upbound and downbound.....	160,885	26,122	187,007		7,567,135		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products.....	5, 212	\$2, 318, 490
Vegetable food products.....	35, 911	1, 837, 847
Nonmetallic minerals.....	127, 654	712, 758
Unclassified.....	18, 230	2, 698, 040
Total.....	187, 007	7, 567, 135

Vessel classification, 1920.

Class.	Number (Amer- ican).	Net registered tonnage.	Passen- gers carried.
Registered:			
Steamers—			
Packet.....	4	823	27, 130
Excursion.....	3	1, 429	54, 800
Towboat.....	23	2, 129	
Launches.....	30	341	
Unregistered boats.....	965		
Total.....	1, 025	4, 722	81, 930

LA GRANGE LOCK, ILLINOIS RIVER.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1913.....	29, 566	\$567, 670. 05	1917.....	16, 826	\$1, 189, 922. 00
1914.....	22, 296	587, 855. 00	1918.....	25, 140	1, 973, 100. 00
1915.....	27, 619	613, 106. 75	1919.....	22, 072	2, 360, 143. 00
1916.....	25, 882	1, 175, 387. 00	1920.....	37, 690	2, 911, 294. 00

Traffic and commerce passing through the La Grange Lock, Illinois River, during the calendar year 1920.

TRAFFIC.

Kinds of craft.	Number.			Net registered tonnage.
	Up.	Down.	Total.	
Passenger boats.....	85	84	169	37, 597
Towboats.....	125	129	254	19, 563
Barges.....	311	224	535	115, 703
Small craft.....	371	512	883	(1)
Total.....	892	949	1, 841	172, 863

¹ Not available.

Lockages, 528.

Traffic and commerce passing through the La Grange Lock, Illinois River, during the calendar year 1920—Continued.

COMMERCE.

Articles.	Short tons.			Value.
	Up.	Down.	Total.	
General merchandise.....	2,800	1,938	4,738	\$701,224
Live stock.....	751	811	1,562	680,400
Grain.....	7,151	6	7,157	321,537
Coal.....		9,534	9,534	42,903
Apples.....	467	24	492	42,910
Sand.....		3,731	3,731	74,620
Molasses.....	10,477		10,477	1,047,700
Total.....	21,646	16,044	37,690	2,911,204

Number of passengers carried, 6,325.

KAMPSVILLE LOCK, ILLINOIS RIVER.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1913.....	21,075	\$1,164,202.75	1917.....	35,798	\$3,452,741.00
1914.....	21,014	1,136,356.70	1918.....	27,383	4,008,100.00
1915.....	22,460	1,124,513.10	1919.....	18,141	2,764,784.00
1916.....	24,835	2,532,092.00	1920.....	30,325	4,233,198.00

Traffic and commerce passing through the Kampsville Lock, Illinois River, during the calendar year 1920.

TRAFFIC.

Kinds of craft.	Number.			Net registered tonnage.
	Up.	Down.	Total.	
Passenger boats.....	142	142	284	61,712
Towboats.....	99	98	197	20,496
Barges.....	293	293	586	82,208
Small craft.....	250	289	539	(¹)
Total.....	784	812	1,606	164,416

¹ Not available.

Lockages, 672.

COMMERCE.

Articles.	Short tons.			Value.
	Up.	Down.	Total.	
General merchandise.....	6,042	1,524	7,566	\$1,119,768
Live stock.....	131	4,035	4,166	1,834,784
Grain.....	1,092	61	1,153	56,130
Coal.....		1,885	1,885	8,432
Apples.....	205	646	851	75,684
Sand.....		3,925	3,925	78,500
Shells.....	305		305	12,200
Molasses.....	10,474		10,474	1,047,700
Total.....	18,249	12,076	30,325	4,233,198

Number of passengers carried, 6,365.

CHICAGO HARBOR, ILL.

(INCLUDING CHICAGO RIVER, ILL.)

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	7,209,514	(1)	(1)	1906.....	5,011,786	(1)	(1)
1891.....	7,214,765	(1)	(1)	1907.....	4,980,123	(1)	(1)
1892.....	8,412,992	(1)	(1)	1908.....	4,025,170	(1)	(1)
1893.....	7,958,962	(1)	(1)	1909.....	4,224,655	(1)	1,395,072
1894.....	7,209,236	(1)	(1)	1910.....	4,273,304	(1)	1,498,608
1895.....	7,205,942	(1)	(1)	1911.....	4,025,576	(1)	1,622,314
1896.....	6,347,163	(1)	(1)	1912.....	3,644,745	(1)	1,448,445
1897.....	7,149,759	(1)	(1)	1913.....	3,829,442	\$233,516,848	1,129,253
1898.....	7,391,454	(1)	(1)	1914.....	3,780,509	242,620,046	1,151,041
1899.....	6,189,365	(1)	(1)	1915.....	3,259,170	241,530,509	659,158
1900.....	5,873,070	(1)	(1)	1916.....	2,439,381	231,262,807	1,241,943
1901.....	6,184,242	(1)	(1)	1917.....	1,900,687	201,360,650	838,499
1902.....	5,184,792	(1)	(1)	1918.....	1,925,633	202,214,032	722,633
1903.....	6,105,553	(1)	(1)	1919.....	1,631,620	167,500,565	1,075,606
1904.....	4,446,071	(1)	(1)	1920.....	1,527,365	163,411,953	971,846
1905.....	5,388,986	(1)	(1)				

1 No statistics available.

[Navigation season, opened Mar. 15, 1920; closed Dec. 15, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products.....		37,682		\$5,228,128
Barley.....	3,475		\$179,555	
Flaxseed.....	4,614		659,192	
Oats.....	6,691		334,570	
Sugar.....	9,785		2,935,500	
Wheat.....	13,117		1,119,311	
Total.....		37,682		5,228,128
EXPORTS.				
Vegetable food products.....		70,701		5,906,167
Corn.....	7,582		312,393	
Rye.....	5,884		482,097	
Wheat.....	57,235		5,111,677	
Textiles: Binder twine.....	8,571	8,571	2,591,206	2,591,206
Ores, metals and manufactures of: Iron fittings.....	46	46	23,794	23,794
Machinery and vehicles: Automobiles.....	20	20	40,500	40,500
Total.....		79,338		8,561,667
Total imports and exports.....		117,020		13,789,795

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Wood and paper products.....			51,758		\$1,425,470	Miles.	Miles.
Lumber.....	50,908			\$1,399,970		520	5.769
Railroad ties.....	850			25,500		400	1.250
Nonmetallic minerals.....			590,754		5,668,460		
Coal, anthracite.....	508,054			5,009,412		892	0.762
Coal, bituminous.....	5,800			43,848		739	2.029
Salt.....	76,900			615,200		156	5.859
Ores, metals and manufactures of: Iron tubing.....	13,721		13,721	1,509,310	1,509,310	722	8.310
Unclassified: Miscellaneous package.....		352,637	352,637	79,343,325	79,343,325	97	(1)
Total.....	656,233	352,637	1,008,870		87,946,565		
SHIPMENTS, INTERNAL.							
Vegetable food products.....			123,044		6,937,493		
Barley.....	12,335			637,320		892	2.000
Corn.....	43,425			2,074,030		688	2.040
Flour.....		337		42,698		510	5.490
Mill stuff.....	13,983			659,578		510	2.098
Oats.....	13,969			698,469		701	2.710
Rye.....	9,408			528,266		689	2.037
Wheat.....	29,587			2,297,132		690	1.696
Unclassified: Miscellaneous package.....		278,331	278,331	54,738,100	54,738,100	97	(1)
Total.....	122,707	278,668	401,375		61,675,593		
Total receipts and shipments.....	778,940	631,305	1,410,245		149,622,158		

¹ Unavailable.

SUMMARY.

Classes of commodities.	Foreign.				Domestic, internal.		Total.	
	Imports.		Exports.		Tons.	Value.	Tons.	Value.
	Tons.	Value.	Tons.	Value.				
Vegetable food products.....	37,682	\$5,228,128	70,701	\$5,906,167	123,044	\$6,937,493	231,427	\$18,071,788
Textiles.....			8,571	2,591,206			8,571	2,591,206
Wood and paper products.....					51,758	1,425,470	51,758	1,425,470
Nonmetallic minerals.....					590,754	5,668,460	590,754	5,668,460
Ores, metals and manufactures of.....			46	23,794	13,721	1,509,310	13,767	1,533,104
Machinery and vehicles.....			20	40,500			20	40,500
Unclassified.....					630,968	134,081,425	630,968	134,081,425
Total.....	37,682	5,228,128	79,338	8,561,667	1,410,245	149,622,158	1,527,265	163,411,953

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Net registered tonnage.
Registered:		
Arrivals, steamers.....	2,406	2,498,135
Clearances, steamers.....	2,371	2,500,614
Total.....	4,777	4,998,749

Passengers carried, 971,846.

Increase of registered tonnage, more than that of 1919..... 94,990
 Vessels documented at the port of Chicago on December 31, 1920, including
 11 registered and 217 enrolled vessels.....gross tons.. 109,308
 Greatest draft of vessels arriving or departing in 1920.....feet.. 20

CHICAGO RIVER, ILL.

Commerce reported under Chicago Harbor, of which the commerce is naturally a part.

CALUMET HARBOR, ILL.

(INCLUDING CALUMET RIVER, ILL. AND IND.)

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	1,796,401	(1)	1906.....	5,290,326	(1)
1891.....	2,066,751	(1)	1907.....	6,430,347	(1)
1892.....	1,822,907	(1)	1908.....	5,932,153	(1)
1893.....	903,397	(1)	1909.....	6,155,104	(1)
1894.....	1,434,897	(1)	1910.....	7,254,317	(1)
1895.....	2,857,750	(1)	1911.....	6,607,996	(1)
1896.....	2,973,724	(1)	1912.....	8,318,838	(1)
1897.....	3,493,218	(1)	1913.....	9,445,878	\$178,817,771
1898.....	4,117,520	(1)	1914.....	6,549,576	162,000,344
1899.....	3,229,874	(1)	1915.....	6,968,680	135,960,965
1900.....	3,783,674	(1)	1916.....	10,308,735	214,818,929
1901.....	3,995,277	(1)	1917.....	10,290,304	225,122,383
1902.....	4,454,428	(1)	1918.....	10,594,123	124,518,226
1903.....	4,742,225	(1)	1919.....	8,574,542	115,981,559
1904.....	3,728,250	(1)	1920.....	10,392,490	96,869,681
1905.....	4,530,394	(1)			

¹ Not available.

[Navigation season: Opened Mar. 15, 1920; closed Dec. 15, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Wheat.....	34,888	34,888	\$2,977,159	\$2,977,159
Nonmetallic minerals: Iron pyrites.....	41,940	41,940	188,730	188,730
Total.....		76,828		3,165,889
EXPORTS.				
Vegetable food products.....		186,385		17,411,088
Corn.....	15,133		821,331	
Rye.....	8,820		581,141	
Wheat.....	162,432		16,008,616	
Total.....		186,385		17,411,088
Total imports and exports.....		263,213		20,576,977

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL.							
Wood and paper products:						Miles.	Mill.
Lumber.....	650		650	\$17,875	\$17,875	532	5.630
Nonmetallic minerals.....			2,532,477		9,678,693		
Coal, anthracite.....	228,922			2,199,940		903	7.53
Coal, bituminous.....	680,838			5,276,494		730	3.986
Stone, crushed.....	1,622,717			2,202,259		396	1.868
Ores, metals, manufactures of:							
Iron ore.....	7,275,558		7,275,558	49,434,818	49,434,818	820	1.341
Total.....	9,808,685		9,808,685		59,131,386		
SHIPMENTS, INTERNAL.							
Vegetable food products.....			317,478		17,033,368		
Barley.....	2,232			115,320		904	1.973
Corn.....	164,279			7,572,591		700	2.005
Mill stuff.....	375			17,688		522	2.049
Oats.....	8,851			442,560		713	2.665
Rye.....	55,237			3,651,222		701	2.002
Wheat.....	86,504			5,233,987		702	1.666
Ores, metals, and manufactures of: Iron billets.....	3,000		3,000	108,000	108,000	95	1.316
Unclassified: Miscellane- ous package.....		114	114	19,950	19,950	522	(1)
Total.....	320,478	114	320,592		17,161,315		
Total receipts and ship- ments.....	10,129,163	114	10,129,777		70,292,704		

(1) Unavailable.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products.	34,888	\$2,977,159	186,385	\$17,411,088	317,478	\$17,033,368	538,751	\$37,421,615
Wood and paper products.					650	17,875	650	17,875
Nonmetallic minerals.	41,940	188,730			2,532,477	9,678,693	2,574,417	9,867,423
Ores, metals, and manufactures of.					7,278,558	49,542,818	7,278,558	49,542,818
Unclassified.					114	19,950	114	19,950
Total.....	76,828	3,165,889	186,385	17,411,088	10,129,277	76,292,704	10,392,490	96,869,681

Vessels arrived and departed, 1920.

Class.	American.	Net registered tonnage.
Registered:		
Arrivals, steamers.	1,106	4,484,972
Clearances, steamers.	1,168	4,702,053
Total	2,274	9,187,025

NOTE.—Calumet Harbor is in the Chicago collection district, of which it is a part.

Increase of registered tonnage, more than that of 1919..... 1,791,967
 Greatest draft of vessels arriving or departing in 1920.....feet.. 21

CALUMET RIVER, ILL. AND IND.

Commerce reported under Calumet Harbor, of which the commerce is naturally a part.

INDIANA HARBOR, IND.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1913	875,306	\$9,875,646	1917	2,209,165	\$18,197,996
1914	1,669,455	11,680,013	1918	3,098,692	29,657,264
1915	2,001,374	14,191,028	1919	2,752,105	37,154,025
1916	2,043,498	14,772,698	1920	3,146,159	48,021,090

1098 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

[Navigation season: Opened Apr. 7, 1920; closed Dec. 26, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Vegetable food products: Fruit.		64	64	\$3,446	\$3,446	Miles. 60	Mills. (1)
Wood and paper products:							
Lumber (cull hardwood).....	534		534	11,748	11,748	275	1.182
Nonmetallic minerals.....			1,004,650		3,908,013		
Coal, bituminous.....	579,185			3,475,110		726	858
Stone, crushed.....	423,465			115,903		390	1.664
Salt.....	2,000			17,000		175	5.714
Ores, metals, manufactures of:							
Iron ore.....	1,426,983		1,426,983	6,370,466	6,370,466	823	.9927
Total.....	2,432,167	64	2,432,231		10,293,667		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals.....			713,928		37,727,423		
Cement (Portland).....		50,124		730,758		(1)	(2)
Gasoline.....	520,179			30,929,591		468	(1)
Refined oil.....	143,625			6,037,078		468	(1)
Total.....	663,804	50,124	713,928		37,727,423		
Total receipts and shipments.....	3,095,971	50,188	3,146,159		48,021,090		

¹ Carried by owners.

² Shipped to 17 different lake ports at from \$1.50 to \$4 per ton.

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Vegetable food products.....	64	\$3,446	Ores, metals, and manufactures.....	1,426,983	\$6,370,466
Wood and paper products.....	534	11,748	Total.....	3,146,159	48,021,090
Nonmetallic minerals.....	1,718,575	41,635,436			

Vessels arrived and departed, 1920.

Class.	American.	Net registered tonnage.
Registered:		
Arrivals, steamers.....	244	1,361,610
Clearances, steamers.....	244	1,346,365
Total.....	488	2,707,975

Greatest draft of vessels arriving or departing in 1920, 20 feet.

NOTE.—Indiana Harbor is in the Chicago collection district, of which it is a part.

MICHIGAN CITY HARBOR, IND.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1905.....	86,068	(1)	(1)	1908.....	33,448	(1)	(1)
1906.....	121,036	(1)	(1)	1909.....	20,804	(1)	192,211
1907.....	130,970	(1)	(1)	1910.....	26,196	(1)	196,463
1908.....	144,983	(1)	(1)	1911.....	27,063	(1)	184,231
1909.....	143,402	(1)	(1)	1912.....	33,170	(1)	177,523
1900.....	120,135	(1)	(1)	1913.....	21,398	\$750,878	162,322
1901.....	111,949	(1)	(1)	1914.....	27,022	352,357	129,197
1902.....	139,115	(1)	(1)	1915.....	15,370	223,548	67,312
1903.....	117,329	(1)	(1)	1916.....	8,694	191,062	129,000
1904.....	67,888	(1)	(1)	1917.....	14,443	436,118	101,080
1905.....	91,910	(1)	(1)	1918.....	12,177	1,037,990	26,121
1906.....	89,170	(1)	(1)	1919.....	7,710	280,650	23,119
1907.....	66,125	(1)	(1)	1920.....	13,126	2,392,290	20,611

¹ No statistics available.

[Navigation season: Opened Mar. 15, 1920; closed Dec. 15, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						Miles.	Mills.
Fish.....	423		423	\$118,440	\$118,440	20	(1)
Wood and paper products: Lum-							
ber.....	850		850	21,250	21,250	454	7.159
Unclassified: Miscellaneous pack-							
age.....		7,133	7,133	1,426,600	1,426,600	38	19.473
Total.....	1,273	7,133	8,406		1,566,290		
SHIPMENTS, INTERNAL.							
Unclassified: Miscellaneous pack-							
age.....		4,720	4,720	826,000	826,000	38	19.473
Total receipts and ship-							
ments.....	1,273	11,853	13,126		2,392,290		

¹ Carried by owner.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products.....	423	\$118,440
Wood and paper products.....	850	21,250
Unclassified.....	11,853	2,252,600
Total.....	13,126	2,392,290

Vessels arrived and departed, 1920.

Class.	Ameri- can.	Net reg- istered tonnage.	Passen- gers car- ried.
Registered:			
Arrivals, steamers.....	43	10, 276	.....
Clearances, steamers.....	15	4, 229	20, 611
Total.....	58	14, 505	20, 611

Greatest draft of vessels arriving or departing in 1920, 15 feet.

NOTE.—Michigan City is in the Chicago collection district, of which it is a part.

DETROIT, MICH., DISTRICT.

ST. MARYS FALLS CANAL, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1887.....	5, 494, 649	\$79, 031, 757	(1)	1904.....	31, 546, 106	\$334, 502, 686	(1)
1888.....	6, 411, 423	82, 156, 019	(1)	1905.....	44, 270, 680	416, 965, 484	(1)
1889.....	7, 516, 022	83, 732, 527	(1)	1906.....	51, 751, 080	(1)	(1)
1890.....	9, 041, 213	102, 214, 948	(1)	1907.....	58, 217, 214	569, 830, 188	(1)
1891.....	8, 888, 759	128, 178, 208	(1)	1908.....	41, 390, 557	(1)	(1)
1892.....	11, 214, 333	135, 117, 267	(1)	1909.....	57, 895, 149	(1)	(1)
1893.....	10, 796, 572	145, 436, 957	(1)	1910.....	62, 363, 218	(1)	(1)
1894.....	13, 195, 860	143, 114, 502	(1)	1911.....	53, 477, 216	595, 019, 844	(1)
1895.....	15, 062, 540	159, 575, 129	(1)	1912.....	72, 472, 676	791, 357, 837	(1)
1896.....	16, 233, 061	195, 146, 842	(1)	1913.....	79, 718, 344	865, 957, 838	(1)
1897.....	18, 982, 755	218, 235, 927	(1)	1914.....	55, 369, 934	634, 800, 268	(1)
1898.....	21, 234, 664	233, 069, 740	(1)	1915.....	71, 290, 304	882, 263, 141	(1)
1899.....	25, 265, 810	281, 364, 750	(1)	1916.....	91, 888, 219	974, 161, 156	54, 922
1900.....	27, 643, 073	267, 041, 959	(1)	1917.....	89, 813, 898	1, 196, 922, 183	38, 339
1901.....	28, 403, 065	289, 906, 865	(1)	1918.....	85, 680, 327	987, 005, 347	34, 960
1902.....	35, 961, 146	358, 306, 300	(1)	1919.....	68, 235, 542	914, 513, 944	56, 992
1903.....	34, 674, 437	349, 405, 014	(1)	1920.....	79, 282, 496	1, 119, 774, 214	68, 451

¹ No statistics available.

Statistical report of lake commerce through American and Canadian canals at Sault Ste. Marie, Mich., and Ontario, for the calendar year ending Dec. 31, 1920.

Items.	United States canal.	Canadian canal.	Total.
Vessel passages.....number..	14, 838	4, 009	18, 847
Lockages.....do.....	10, 116	3, 077	13, 193
Net tonnage:			
Registered.....	53, 055, 292	5, 138, 791	58, 194, 083
Freight.....	76, 801, 812	2, 480, 684	79, 282, 496
Passengers.....number..	24, 999	43, 452	68, 451
Lumber.....M ft. b. m.	174, 367	18, 487	192, 854
Flour.....barrels.	5, 013, 422	2, 464, 111	7, 477, 533
Wheat.....bushels.	128, 494, 948	16, 961, 539	145, 456, 487
Grain.....do.....	38, 204, 865	13, 425, 270	51, 630, 135
Copper.....tons.	41, 203	10, 342	51, 545
Iron ore.....do.....	55, 922, 313	858, 183	56, 780, 496
Manufactured and pig iron.....do.....	59, 923	16, 271	76, 194
Coal, soft.....do.....	11, 904, 296	192, 697	12, 096, 993
Coal, hard.....do.....	2, 012, 766	16, 500	2, 029, 266
Salt.....do.....	89, 149	10, 039	99, 208
Oil.....do.....	353, 488	1	353, 489
Stone.....do.....	527, 909	35, 362	563, 271
General merchandise.....do.....	308, 034	248, 076	556, 110

The United States canal was open to navigation 252 days during the calendar year.
The Canadian canal was open to navigation 244 days during the calendar year.

*Summary of traffic through St. Marys Falls Canal, Mich., for the calendar year ending,
Dec. 31, 1920.*

Number of vessels through Poe Lock.....	4,463
Number of vessels through Third Lock.....	4,836
Number of vessels through Fourth Lock.....	5,539
	<hr/> 14,838 <hr/>
Number of lockages through Poe Lock.....	3,484
Number of lockages through Third Lock.....	3,268
Number of lockages through Fourth Lock.....	3,364
	<hr/> 10,116 <hr/>

Total registered tonnage.....	53,055,292
Total freight tonnage.....	76,801,812

Total time spent in making lockages, 5,745 hours 55 minutes.

Average time spent in making lockages, 34 minutes 5 seconds.

Cost of operating and care for calendar year.....	\$199,046.57
Cost of operation per lockage.....	\$19.68
Cost of operation per passage.....	\$13.41
Cost of operation per registered ton.....	mills.. 3.75
Cost of operation per freight ton.....	do..... 2.59

The Poe Lock was open to navigation 178 days, from May 22 to November 15, 1920.

The Third Lock was open to navigation 243 days, from April 28, to December 26, 1920.

The Fourth Lock was open to navigation 232 days, from April 19 to December 6, 1920.

STATISTICS OF LAKE COMMERCE PASSING THROUGH THE AMERICAN AND CANADIAN CANALS AT SAULT STE. MARIE, MICH. AND ONTARIO, DURING THE SEASON OF 1920.

[Compiled from Official Records at St. Marys Falls Canal, Mich.]

SOURCES OF INFORMATION FOR TRAFFIC DATA AND VALUATIONS.

Freight tonnage and passengers.—The freight unit used and designated as a “ton” means in every instance a ton of 2,000 pounds. The data relative to freight and passengers were compiled from reports made by vessel masters when passing through the American and Canadian canals. As a daily exchange of these reports is made with the Canadian canal, both offices have record of the entire lake traffic to and from Lake Superior.

Registered tonnage.—The term “registered tonnage” as used in this report means the net tonnage of the vessel, which is the cubical capacity in tons of 100 cubic feet each, available for cargo and passengers, and is obtained from vessel papers.

Freight rates.—These were compiled from information obtained from shippers, owners, and carriers of the several classes of freight. The freight rates given are for lake transportation and include cost of loading and unloading, except in the case of coal.

Freight valuations.—The unit values used for the various items of freight were derived from daily or weekly prices current, and from quotations by the principal shippers, owners, and carriers, and represent the values of the several commodities free on board dock at the lake ports of destination.

General merchandise covers all items not otherwise classified, including such commodities as package freight, cement, etc.; prior to 1916 it also included oils, broken stone, sand, and gravel. “Stone” represented building stone alone prior to 1916; it now includes broken stone, gravel, and sand.

The compilation was done by the clerical force of the United States canal office at Sault Ste. Marie, Mich., under the supervision of General Superintendent L. C. Sabin.

American and Canadian canals.—The total freight traffic of 79,282,496 tons for the season of 1920, when compared with the season of 1919, shows an increase of 11,046,954 tons, or 16 per cent, and the net registered tonnage of 53,194,083 shows an increase of 8,104,993 tons, or 16 per cent.

The items of freight showing an increase, when compared with the season of 1919, are wheat, iron ore, soft coal, salt, oil, stone, and general merchandise.

The total number of passengers was 68,451, an increase of 11,459.

The passages through both canals numbered 18,847, showing an increase of 1,260, or 7 per cent.

The total lockages numbered 13,193, an increase of 891, or 7 per cent.

The season of navigation covered a period of 8 months and 8 days, during which time the average monthly traffic was 9,590,625 tons and 7,039,607 tons net register.

Conditions at the wharves and in the channels of the Great Lakes system limited the draft of vessels to about 21 feet.

American canal.—The traffic through the American canal was 97 per cent of the total freight, 91 per cent of the total net registered tonnage, and 37 per cent of the total number of passengers carried, the amounts being 76,801,812 tons of freight, 53,055,292 tons register, and 24,999 passengers. Compared with the season of 1919, there was an increase of 12,704,229 tons of freight, or 20 per cent, 9,451,301 tons register, or 22 per cent, and 9,163 passengers, or 58 per cent.

The American canal records show that vessels necessarily spent 17,947 hours and 19 minutes in canal, or an average of 1 hour and 15 minutes, which includes time waiting for lockage and passage through locks and canal, the latter being $1\frac{1}{2}$ miles long.

Other delays at the canal, which included taking on supplies, waiting for daylight, or favorable weather, amounted to 3,309 hours and 10 minutes.

Vessels were delayed 9 hours and 16 minutes due to operating the railway swing bridge.

Trains were delayed 87 hours and 28 minutes by passing boats temporarily preventing the closing of the drawbridges.

During the period of operation the swing bridge over the canal leading to the Poe Lock was closed 1,244 hours and 10 minutes, and the bascule bridge over the north canal leading to the third and fourth locks was closed 1,171 hours and 23 minutes. During this time 3,370 engines and 6,371 passenger and 36,055 freight cars crossed the bridge.

The American canal was opened April 19 and closed December 26, 1920, making the length of its season 252 days.

Canadian canal.—The traffic through the Canadian canal was 3 per cent of the total freight, 9 per cent of the total registered tonnage, and 63 per cent of the total passengers carried, the amounts being 2,480,684 tons of freight, 5,138,791 tons register, and 43,452 passengers. Compared with the season of 1919, there was a decrease of 1,657,275 tons of freight, or 40 per cent, 1,346,308 tons register, or 21 per cent, and an increase of 2,296 passengers, or 6 per cent.

The Canadian canal was opened April 23 and closed December 23, 1920, making the length of its season 244 days.

General summary for American and Canadian canals together.

Total freight carried, tons.....	79,282,496
Total tons, net register.....	58,194,083
Total mile-tons.....	64,702,375, 119
Total valuation placed on freight carried.....	\$1, 119, 774, 214
Total amount paid for freight carried.....	\$85, 741, 850
Total number of registered vessels using canals.....	678
Total number of passages by unregistered craft carrying freight.....	206
Total valuation placed on registered vessels.....	\$239, 883, 750
Total number of passengers transported.....	68, 451
Average distance freight was carried, miles.....	816.1
Average cost per ton for freight transportation.....	\$1.08
Average cost per mile per ton, mills.....	1.33
Average value per ton of freight carried.....	\$14.12
Time American canal was operated, days.....	252
Time Canadian canal was operated, days.....	244
Freight carried by—	
Registered vessels, tons.....	79, 243, 213
Unregistered vessels, tons.....	39, 283
American vessels, per cent.....	94
Canadian vessels, per cent.....	6
Passengers carried by—	
American vessels, per cent.....	32
Canadian vessels, per cent.....	68
Average number of vessels passing per day—	
Poe Lock.....	25
Third Lock.....	20
Fourth Lock.....	24
Canadian Lock.....	16
Poe, Third, Fourth, and Canadian Locks.....	75

East and west bound traffic—East and west bound commerce passing both American and Canadian canals at Sault Ste. Marie, Michigan and Ontario, for the season of 1920.

EASTBOUND.

Articles.	Unit of measure.	United States canal.	Canadian canal.	Total.
Lumber.....	M ft. b. m.....	174,367	18,487	192,854
Flour.....	Barrels.....	5,013,422	2,464,111	7,477,533
Wheat.....	Bushels.....	126,494,948	16,961,539	143,456,487
Grain, other than wheat.....	do.....	38,204,865	13,425,270	51,630,135
Copper.....	Short tons.....	41,203	10,342	51,545
Iron ore.....	do.....	55,784,496	858,183	56,642,679
Pig iron.....	do.....		557	557
Stone ¹	do.....	35,182	31,762	66,944
General merchandise.....	do.....	45,494	10,862	56,356
Passengers.....	Number.....	13,033	20,980	34,013

WESTBOUND.

Coal, soft.....	Short tons.....	11,904,296	192,697	12,096,993
Coal, hard.....	do.....	2,042,766	16,500	2,059,266
Iron ore.....	do.....	137,819		137,819
Manufactured iron and steel.....	do.....	59,923	15,714	75,637
Salt.....	do.....	89,149	10,059	99,208
Oil.....	do.....	353,488	1	353,489
Stone ¹	do.....	492,727	3,600	496,327
General merchandise.....	do.....	262,540	237,214	499,754
Passengers.....	Number.....	11,966	22,472	34,438

SUMMARY.

Vessel passages.....	Number.....	14,838	4,009	18,847
Registered tonnage.....	Net.....	53,055,292	5,138,791	58,194,083
Freight:				
Eastbound.....	Short tons.....	61,459,104	2,004,899	63,464,003
Westbound.....	do.....	15,342,708	475,785	15,818,493
Total freight.....	do.....	76,801,812	2,480,684	79,282,496

¹ Includes broken stone, gravel, and sand.

Monthly registered and freight tonnage, season 1920.

Month.	Net registered tonnage of vessels.			Freight carried (tons).		
	Eastbound.	Westbound.	Total.	Eastbound.	Westbound.	Total.
April.....	214,267	399,058	613,325	454,726	82,483	537,209
May.....	3,496,897	3,777,565	7,274,462	7,483,836	937,374	8,421,210
June.....	4,177,941	4,018,458	8,196,399	9,153,884	1,493,935	10,647,819
July.....	4,385,159	4,403,280	8,788,419	9,749,701	1,827,978	11,577,679
August.....	4,179,922	4,266,100	8,446,022	9,278,071	3,147,219	12,425,290
September.....	4,228,892	4,240,251	8,469,143	9,290,129	2,458,002	11,748,131
October.....	4,520,794	4,510,010	9,030,804	9,876,641	3,123,658	13,000,299
November.....	3,361,261	3,110,301	6,471,562	7,066,488	2,354,092	9,419,580
December.....	557,933	346,014	903,947	1,111,527	393,752	1,505,279
Total.....	29,123,066	29,071,017	58,194,083	63,464,003	15,818,493	79,282,496

Value of total freight carried—Estimated value of total freight passing the canals at Sault Ste. Marie, Michigan and Ontario, for the season of 1920.

Items.	Unit of measure.	Quantity.	Price per unit.	Valuation.	Per cent of total value.
Lumber.....	M ft. b. m.	192,854	\$51.50	\$9,931,981	0.89
Flour.....	Barrels.....	7,477,533	11.50	85,901,630	
Wheat.....	Bushels.....	143,456,487	2.20	315,604,271	
Grain, other than wheat.....	do.....	51,630,135	1.52	78,477,805	42.87
Copper.....	Tons.....	51,545	350.00	18,040,750	
Iron ore.....	do.....	56,780,498	6.00	340,682,988	
Pig iron.....	do.....	557	58.50	32,585	31.03
Manufactured iron and steel.....	do.....	75,637	90.00	6,807,330	
Coal, soft.....	do.....	12,096,993	8.00	96,775,944	
Coal, hard.....	do.....	2,059,266	11.00	22,651,926	10.67
Salt.....	do.....	99,208	10.00	992,080	
Oil.....	do.....	353,489	50.00	17,674,450	
Stone.....	do.....	563,271	1.75	985,724	12.93
General merchandise.....	do.....	556,110	225.00	125,124,750	
Total.....				1,119,774,214	100.00

The value of grain, other than wheat, as given in the above table, is computed as follows:

Articles.	Bushels.	Price per unit.	Total value.
Barley.....	9,862,000	\$1.04	\$10,256,480
Corn.....			
Flax.....	2,458,000	2.56	6,292,480
Oats.....	14,762,000	.86	12,695,320
Rye.....	24,545,000	2.01	49,341,480
Total.....	51,630,000	1.52	78,585,760

Amount paid for carrying freight—Transportation charges, including loading and unloading, on freight passing through canals at Sault Ste. Marie, Michigan and Ontario, for the season of 1920.

Articles.	Unit of measure.	Quantity.	Rate per unit.	Amount.
Lumber.....	M ft. b. m.	192,854	\$7.25	\$1,398,192
Flour.....	Barrels.....	7,477,533	.30	2,243,260
Wheat.....	Bushels.....	143,456,487	.05	7,172,824
Grain, other than wheat.....	do.....	51,630,135	.05	2,581,507
Copper.....	Tons.....	51,545	4.00	206,180
Iron ore.....	do.....	56,780,498	1.08	61,322,938
Pig iron.....	do.....	557	2.50	1,392
Manufactured iron and steel.....	do.....	75,637	2.50	189,093
Coal, soft.....	do.....	12,096,993	1.52	18,387,429
Coal, hard.....	do.....	2,059,266	1.52	3,130,094
Salt.....	do.....	99,208	1.25	124,010
Oil.....	do.....	353,489	1.00	353,489
Stone.....	do.....	563,271	1.00	563,271
General merchandise.....	do.....	556,110	4.00	2,224,440
Total.....				83,741,850

¹ Does not include loading and unloading.

Comparative traffic, years 1919 and 1920—Lake commerce through the canals at Sault Ste. Marie, Michigan and Ontario, for the seasons of 1919 and 1920.

Items.	Unit of measure.	Total traffic for—		Increase or decrease.		
		Season 1919.	Season 1920.	Amount.	Per cent.	
					Increase.	Decrease.
Vessels:						
Steamers.....	Number.....	14,866	16,336	1,470	10	.....
Sailing.....	do.....	1,218	1,354	136	11	.....
Unregistered.....	do.....	1,503	1,157	346	.....	23
Total.....	do.....	17,587	18,847	1,260	7	.....
Lockages.....	do.....	12,802	13,193	391	7	.....
Tonnage:						
Registered.....	Net.....	50,089,090	58,194,083	8,104,993	16	.....
Freight.....	Short tons.....	68,235,542	79,282,496	11,046,954	16	.....
Passengers.....	Number.....	56,992	68,451	11,459	20	.....
Lumber.....	M. ft. b. m.....	244,426	192,854	51,572	.....	21
Flour.....	Barrels.....	8,087,554	7,477,533	610,021	.....	8
Wheat.....	Bushels.....	113,734,348	143,456,487	29,721,639	26	.....
Grain.....	do.....	52,734,345	51,630,135	1,104,210	.....	2
Copper.....	Short tons.....	58,409	51,545	6,864	.....	12
Iron ore.....	do.....	46,922,792	56,780,498	9,857,706	21	.....
Manufactured and pig iron.....	do.....	117,713	76,194	41,519	.....	35
Coal, soft.....	do.....	11,461,862	12,096,993	635,031	6	.....
Coal, hard.....	do.....	2,412,989	2,059,266	353,723	.....	15
Salt.....	do.....	93,893	99,204	5,315	6	.....
Oil.....	do.....	287,023	353,469	66,466	23	.....
Stone.....	do.....	371,170	563,271	192,101	52	.....
General merchandise.....	do.....	542,178	556,110	13,932	3	.....

Interlake traffic—Freight between Lake Superior and each of the other lakes, classified with reference to American and Canadian vessels and ports.

Freight carried by—	Ports.		Eastbound from Lake Superior to—				Total.
	From—	To—	Lake Michigan.	Lake Huron.	Lake Erie.	Lake Ontario.	
American vessels.....	American.	American.	9,750,439	45,416	48,612,018	.....	58,407,873
Do.....	do.....	Canadian.	.....	329,389	.....	3,719	333,108
Do.....	Canadian.	American.	74,249	29,600	1,379,689	.....	1,483,538
Canadian vessels.....	do.....	Canadian.	.....	1,714,230	525,470	60,635	2,300,335
Do.....	do.....	American.	59,296	.....	438,515	.....	497,811
Do.....	American.	Canadian.	.....	347,772	88,928	4,638	441,338
Total eastbound.....	.....	.....	9,883,984	2,466,407	51,044,620	68,992	63,464,003

Freight carried by—	Ports.		Westbound to Lake Superior from—				Total.
	From—	To—	Lake Michigan.	Lake Huron.	Lake Erie.	Lake Ontario.	
American vessels.....	American.	American.	347,050	508,817	11,366,416	.....	12,222,283
Do.....	do.....	Canadian.	34,472	.....	2,384,487	.....	2,418,959
Do.....	Canadian.	American.	.....	.....	.....	.....	.....
Canadian vessels.....	do.....	Canadian.	.....	196,025	51,041	50,862	297,928
Do.....	do.....	American.	.....	.....	.....	.....	.....
Do.....	American.	Canadian.	115,660	36,999	726,664	.....	879,323
Total westbound.....	.....	.....	497,182	741,841	14,528,608	50,862	15,818,493
Grand total.....	.....	.....	10,381,166	3,208,248	65,573,228	119,854	79,282,496

Vessel classification, valuation, etc.—Classification of American and Canadian vessels, showing valuation and registered tonnage, and the freight and passengers carried through the canals at Sault Ste. Marie, Michigan and Ontario, during the season of 1920.

AMERICAN VESSELS.

Class.	Number.	Valuation.	Tonnage.		Passengers.
			Registered.	Freight.	
Steamers.....	496	\$216,641,400	1,596,227	72,126,407	21,817
Sailing and unrigged craft.....	59	5,780,700	108,362	2,707,216	.....
Unregistered.....	.....	.....	.....	32,138	.....
Total.....	555	222,422,100	1,704,589	74,865,761	21,817

CANADIAN VESSELS.

Steamers.....	96	\$17,110,250	131,954	4,368,737	46,634
Sailing and unrigged craft.....	27	351,400	6,911	40,853	.....
Unregistered.....	.....	.....	.....	7,145	.....
Total.....	123	17,461,650	138,865	4,416,735	46,634
Grand total.....	678	239,883,750	1,843,454	79,282,496	68,451

American vessels carried 94 per cent of the total freight and 32 per cent of the total passengers.

Canadian vessels carried 6 per cent of the total freight and 68 per cent of the total passengers.

Unregistered American craft carried 32,138 tons of freight in 94 passages, or an average of 342 tons per passage.

Unregistered Canadian craft carried 7,145 tons of freight in 112 passages, or an average of 64 tons per passage.

Of the 18,847 passages for the season, 2,367 were by 88 vessels under 100 tons register, with an average register of 34 tons. The total freight carried by such craft amounted to 3,416 tons.

Average and limiting dimensions of vessels classified by maximum freight cargoes.

Freight tons in largest cargo.	Length.			Beam.			Actual draft.		
	Maximum.	Minimum.	Average.	Maximum.	Minimum.	Average.	Maximum.	Minimum.	Average.
	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>
Less than 100.....	360	40	84.3	45.2	9.0	16.9	17.2	2.0	7.0
100 to 1,000.....	385	80	192.6	62.2	20.7	33.1	17.7	5.0	13.0
1,000 to 2,000.....	322	178	225.3	43.6	30.4	35.3	18.3	6.0	14.2
2,000 to 3,000.....	365	217	272.8	50.0	35.6	42.7	21.5	14.0	18.3
3,000 to 4,000.....	335	260	294.2	44.6	38.0	41.1	19.7	14.0	18.2
4,000 to 5,000.....	357	305	335.0	53.6	40.2	43.3	20.3	17.0	19.1
5,000 to 6,000.....	436	339	377.3	56.0	42.8	46.2	20.8	17.3	19.5
6,000 to 7,000.....	436	364	380.9	50.8	44.0	47.5	21.3	19.2	20.3
7,000 to 8,000.....	470	368	414.3	55.0	41.5	48.8	21.5	19.8	20.6
8,000 to 9,000.....	478	400	440.3	52.2	44.2	50.4	21.3	19.7	20.7
9,000 to 10,000.....	500	436	465.7	54.2	50.0	51.2	21.2	19.8	20.8
10,000 to 11,000.....	567	460	496.2	56.2	50.2	53.4	21.5	20.7	21.0
11,000 to 12,000.....	556	500	528.0	58.0	52.0	54.4	21.5	20.3	21.0
12,000 to 13,000.....	578	524	549.8	60.2	54.0	56.7	21.5	20.5	21.0
13,000 to 14,000.....	606	545	573.8	60.0	55.2	57.4	21.7	20.0	21.0
14,000 to 15,000.....	608	600	600.6	60.2	58.0	58.7	21.9	20.6	21.2
15,000 and over.....	625	600	607.7	64.2	59.2	60.8	21.7	21.0	21.3

Average and maximum dimensions of, and percentage of total freight carried by, vessels of different classes.

Class.	Number of boats of class using canal.	Aggregate registered tonnage.	Average registered tonnage.	Average length.	Maximum length.	Maximum beam.
Tons net register between—	<i>Number.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>
1 and 1,000.....	186	42,868	230	93	268	43.6
1,000 and 2,000.....	81	124,011	1,531	280	357	55.0
2,000 and 3,000.....	78	207,094	2,655	379	472	52.0
3,000 and 4,000.....	145	497,302	3,430	427	509	56.2
4,000 and 5,000.....	91	423,263	4,651	512	578	58.3
5,000 and 6,000.....	75	410,016	5,467	565	606	60.2
6,000 and over.....	22	138,900	6,314	603	625	64.2
Unregistered.....						
Total.....	678	1,843,454				

Class.	Number of passages of vessels of class.	Aggregate freight carried by vessels of class.	Average cargo. ¹	Percentage of total freight carried by class.
Tons net register between—	<i>Number.</i>	<i>Tons.</i>	<i>Tons.</i>	
1 and 1,000.....	3,606	491,990	136	1
1,000 and 2,000.....	782	1,505,888	1,926	2
2,000 and 3,000.....	2,107	7,303,170	3,466	9
3,000 and 4,000.....	4,184	20,761,599	4,962	26
4,000 and 5,000.....	3,180	21,729,927	6,833	28
5,000 and 6,000.....	2,992	20,855,718	6,970	26
6,000 and over.....	839	6,594,941	7,860	8
Unregistered.....	1,157	39,283	34	
Total.....	18,847	79,282,496		100

¹ The "average cargo" as here given is the average cargo per passage; in obtaining these figures the passages when no cargo was carried are included.

Vessel dimensions—Classification of registered vessels as to length and beam over all.

NONFREIGHT CARRIERS: TUGS, YACHTS, ETC.

Length (feet).	Beam (feet).	Years.																
		1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
30 to 99.....	8 to 29..	83	58	67	61	61	53	53	56	64	52	69	59	88	71	85	76	59
100 to 199.....	12 to 32..	22	4	14	18	25	31	32	24	20	19	43	28	58	31	34	30	29
200 to 299.....	26 to 40..						3	2	5	6	0	4	7	5	9	13	30	4
300 to 399.....	45 to 96..	1	1	1	1	1	1	1	0	0	2	1	1	1	1	0	0	0
400 to 499.....	45 to 98..										1	1	0	1	0	0	0	0

FREIGHT CARRIERS.

		6	26	13	10	10	8	12	7	10	13	22	15	48	25	40	35	37
30 to 99.....	8 to 28..	183	194	170	150	113	121	100	101	96	94	89	83	74	66	50	57	42
100 to 199.....	21 to 39..	291	293	258	247	229	224	234	177	203	212	171	166	125	108	84	75	73
200 to 299.....	32 to 43..	181	183	171	177	136	161	152	130	156	157	126	147	156	149	122	113	113
300 to 399.....	38 to 50..	118	128	128	141	137	157	162	145	159	160	144	155	156	158	158	155	155
400 to 499.....	45 to 53..	1	23	57	70	96	104	121	95	113	115	113	116	117	121	121	120	120
500 to 599.....	52 to 60..				4	4	7	8	24	26	28	29	29	34	41	42	42	46
600 and over.....	58 to 64..																	
Total.....		886	910	879	879	806	870	877	765	853	852	813	806	863	780	749	733	678

Yearly summaries since 1888—Total freight, its valuation, freight charges, average haul or distance freight was carried, and rate per ton per mile.

Year.	Total freight.	Valuation of freight.	Freight charges.	Average haul.	Freight charges per mile-ton.	Value of American craft.	Value of Canadian craft.
	<i>Tons.</i>			<i>Miles.</i>	<i>Mills.</i>		
1888.....	6,411,423	\$82,156,019	\$7,883,077	806.4	1.5	\$20,381,100	\$1,514,300
1889.....	7,516,022	83,732,527	8,634,246	790.4	1.5	25,328,600	1,597,600
1890.....	9,041,213	102,214,948	9,472,214	797.2	1.3	27,857,700	1,777,800
1891.....	8,888,759	128,178,208	9,849,022	820.4	1.35	31,947,300	2,118,500
1892.....	11,214,333	135,117,267	12,072,850	822.4	1.31	36,220,100	2,108,700
1893.....	10,796,572	145,436,957	9,957,483	831.9	1.1	39,017,400	2,115,700
1894.....	13,195,860	143,114,502	10,798,310	821.1	.99	41,124,200	1,958,800
1895.....	15,062,580	159,575,129	14,238,758	830.0	1.14	40,856,800	2,037,000
1896.....	16,239,061	195,146,842	13,511,615	836.4	.99	43,006,200	2,135,370
1897.....	18,982,755	218,235,927	13,220,099	841.3	.83	42,375,700	2,001,400
1898.....	21,234,064	233,069,740	14,125,896	842.6	.79	45,199,800	2,491,907
1899.....	25,255,910	281,364,750	21,958,707	827.2	1.05	65,000,520	3,369,600
1900.....	26,643,073	267,041,959	24,953,314	825.9	1.18	66,116,583	3,618,578
1901.....	28,400,065	289,906,865	23,217,974	823.3	.99	57,244,200	3,311,900
1902.....	35,961,146	358,306,300	26,566,189	827.4	.89	67,205,000	3,792,400
1903.....	34,674,437	349,405,014	26,727,735	835.6	.92	68,252,800	6,384,500
1904.....	31,546,106	334,502,686	21,552,894	843.5	.81	63,789,300	5,377,100
1905.....	44,270,980	416,965,484	31,420,585	833.3	.85	73,211,300	5,429,000
1906.....	51,751,080	537,463,454	36,668,889	842.4	.84	88,392,000	6,140,500
1907.....	58,217,214	569,830,188	38,457,345	828.3	.80	102,525,500	7,918,000
1908.....	41,390,557	470,141,318	23,903,244	842.0	.69	101,643,000	10,054,000
1909.....	57,806,149	626,104,173	36,291,948	809.0	.78	116,192,000	10,707,000
1910.....	62,363,218	654,010,844	38,710,904	840.0	.74	123,061,500	11,675,000
1911.....	53,477,216	595,019,544	29,492,196	826.0	.67	109,336,000	12,211,500
1912.....	72,472,678	791,357,837	40,578,225	831.0	.67	125,618,800	12,927,500
1913.....	79,718,344	865,957,838	44,390,864	820.0	.68	127,125,500	15,295,700
1914.....	55,369,934	634,800,268	27,597,099	832.8	.60	117,211,000	17,420,700
1915.....	71,290,304	882,263,141	41,984,031	832.0	.71	123,472,700	15,636,700
1916.....	91,888,219	974,161,156	60,845,023	824.0	.80	129,170,500	15,757,700
1917.....	89,813,818	1,196,922,183	89,277,226	820.0	1.21	229,538,875	18,247,475
1918.....	85,680,327	987,005,347	83,507,638	818.2	1.19	227,675,625	17,583,550
1919.....	68,235,442	914,513,944	58,478,567	815.0	1.05	223,162,200	17,409,450
1920.....	79,282,496	1,119,774,214	85,741,850	816.1	1.33	222,422,100	17,461,650

Yearly statement of freight carried by steamers and other vessels.

Year.	Steamers.		Sailing and unrigged craft.		Unregistered craft.		Total freight.	Percentage of freight carried by steamers.
	Number in commission.	Freight carried.	Number in commission.	Freight carried.	Number of passages.	Freight carried.		
		<i>Tons.</i>		<i>Tons.</i>		<i>Tons.</i>		
1889.....	345	5,175,799	231	2,304,538	443	35,685	7,516,022	69
1890.....	369	6,291,873	229	2,743,839	447	5,501	9,041,213	70
1891.....	396	6,420,939	256	2,456,091	447	11,729	8,888,759	72
1892.....	460	7,960,477	275	3,242,411	227	11,415	11,214,333	70
1893.....	450	7,723,153	294	3,034,084	213	39,335	10,796,572	72
1894.....	493	9,795,752	321	3,381,860	172	18,248	13,195,860	74
1895.....	522	10,81,474	355	4,464,671	232	16,435	15,062,580	70
1896.....	509	11,878,089	350	4,349,083	210	11,889	16,239,061	73
1897.....	525	13,63,667	323	5,790,326	377	28,762	18,982,755	69
1898.....	523	14,09,066	333	6,633,157	246	12,441	21,234,064	69
1899.....	542	17,801,213	290	7,423,311	366	31,286	25,255,810	71
1900.....	569	19,368,750	310	5,999,180	454	57,139	25,643,073	76
1901.....	598	21,86,571	295	7,166,094	413	49,800	28,400,065	75
1902.....	656	26,65,088	279	7,431,230	490	64,848	35,061,146	79
1903.....	652	28,42,546	243	6,594,304	361	37,587	34,674,437	81
1904.....	652	28,720,137	234	5,769,060	513	56,609	31,546,106	81
1905.....	692	37,24,522	218	6,179,506	729	66,652	44,270,680	85
1906.....	698	46,72,051	181	5,780,211	810	98,818	51,751,080	80
1907.....	727	52,97,151	152	5,249,809	346	30,257	58,217,214	91
1908.....	677	58,44,570	129	3,224,048	296	21,939	61,390,557	92
1909.....	742	58,09,833	128	4,221,264	242	24,052	57,895,149	93
1910.....	750	58,09,752	127	4,294,372	398	29,094	62,363,218	93
1911.....	656	49,00,133	109	3,866,487	421	30,596	53,477,216	93
1912.....	735	60,08,313	118	4,292,278	545	172,085	72,472,676	94
1913.....	735	75,73,822	117	4,260,822	634	283,700	79,718,344	94
1914.....	669	52,03,466	144	3,221,747	375	84,721	55,369,934	94
1915.....	688	67,08,814	118	4,091,056	482	100,434	71,290,304	94
1916.....	691	87,108,550	172	4,722,990	263	56,679	91,888,219	95
1917.....	663	85,36,016	117	4,129,273	402	118,609	89,813,898	95
1918.....	616	81,847,161	133	3,776,824	248	56,342	85,680,327	95
1919.....	629	65,02,854	104	2,491,338	218	62,350	68,235,542	96
1920.....	592	76,495,144	86	2,748,069	206	39,283	79,282,496	96

Table showing yearly change in class of freighters as listed from their maximum freight cargoes.

NUMBER OF STEAMERS.

Year.	Tons in maximum cargo between—												Total.
	1 and 1,000.	1,000 and 2,000.	2,000 and 3,000.	3,000 and 4,000.	4,000 and 5,000.	5,000 and 6,000.	6,000 and 7,000.	7,000 and 8,000.	8,000 and 10,000.	10,000 and 12,000.	12,000 and 14,000.	14,000 and over.	
1901.....	164	118	88	124	17	26	26	31	4	.....	.....	.....	598
1902.....	180	115	84	133	27	32	37	43	5	.....	.....	.....	656
1903.....	173	104	71	136	24	37	42	52	13	.....	.....	.....	652
1904.....	183	78	73	131	26	26	45	56	33	1	.....	.....	652
1905.....	164	96	80	130	31	19	40	55	57	17	3	.....	692
1906.....	161	95	70	121	29	19	35	78	42	36	12	.....	698
1907.....	158	90	61	115	27	16	43	47	93	55	22	.....	727
1908.....	138	93	67	92	21	12	33	42	88	65	26	.....	677
1909.....	162	73	67	104	17	30	43	55	90	77	24	.....	742
1910.....	144	69	79	105	29	23	45	76	73	84	23	.....	750
1911.....	139	63	74	69	26	29	41	69	74	64	8	.....	656
1912.....	138	64	82	89	25	27	48	73	64	96	29	.....	735
1913.....	128	67	73	92	22	25	47	63	85	93	36	4	735
1914.....	138	59	64	66	24	23	42	51	75	88	39	.....	669
1915.....	124	61	62	74	22	30	41	66	78	97	30	3	688
1916.....	119	78	51	61	25	21	39	47	98	73	59	20	691
1917.....	131	49	34	57	24	21	44	41	97	77	53	35	663
1918.....	136	39	18	46	9	15	44	47	94	81	62	25	616
1919.....	162	42	22	28	14	15	38	43	95	79	64	27	629
1920.....	124	27	31	26	13	20	37	45	94	76	56	43	592

NUMBER OF SAILING AND UNRIGGED CRAFT.

1901.....	86	117	24	25	13	15	7	2	6	.....	.....	.....	295
1902.....	58	126	28	26	11	7	17	2	6	.....	.....	.....	279
1903.....	39	115	18	26	12	4	21	2	6	.....	.....	.....	243
1904.....	45	103	20	23	11	4	19	3	6	.....	.....	.....	234
1905.....	39	94	21	18	13	3	17	5	8	.....	.....	.....	218
1906.....	30	82	16	13	8	5	17	4	6	.....	.....	.....	181
1907.....	34	65	10	10	7	4	15	5	2	.....	.....	.....	152
1908.....	27	55	9	4	4	7	14	2	7	.....	.....	.....	129
1909.....	20	57	11	6	8	2	15	3	6	.....	.....	.....	128
1910.....	16	58	14	3	10	2	16	3	5	.....	.....	.....	127
1911.....	19	51	5	2	9	8	15	5	2	.....	.....	.....	109
1912.....	15	56	7	3	10	4	15	3	5	.....	.....	.....	118
1913.....	16	52	10	6	7	3	14	3	6	.....	.....	.....	117
1914.....	71	40	3	2	4	3	13	3	5	.....	.....	.....	144
1915.....	49	31	5	2	6	2	15	3	5	.....	.....	.....	118
1916.....	86	44	2	6	7	3	15	2	7	.....	.....	.....	172
1917.....	43	33	4	5	6	1	16	2	7	.....	.....	.....	117
1918.....	70	27	2	1	6	2	16	3	6	.....	.....	.....	133
1919.....	48	24	3	1	3	2	14	4	5	.....	.....	.....	104
1920.....	38	18	1	1	2	5	13	2	6	.....	.....	.....	86

STEAMERS, SAILING AND UNRIGGED CRAFT COMBINED.

1894.....	265	339	192	18	.....	.....	.....	.....	.....	.....	.....	.....	814
1895.....	279	400	176	18	4	.....	.....	.....	.....	.....	.....	.....	877
1896.....	281	335	168	43	21	11	8	.....	.....	.....	.....	.....	859
1897.....	262	280	133	111	26	28	.....	.....	.....	.....	.....	.....	848
1898.....	273	266	116	118	26	34	18	5	.....	.....	.....	.....	856
1899.....	243	245	109	139	22	32	27	10	5	.....	.....	.....	832
1900.....	275	247	117	125	23	36	25	23	8	.....	.....	.....	879
1901.....	250	235	112	149	30	41	33	33	10	.....	.....	.....	893
1902.....	236	241	112	159	38	39	54	45	11	.....	.....	.....	935
1903.....	172	259	89	162	36	41	63	54	19	.....	.....	.....	895
1904.....	228	181	93	154	37	30	64	59	39	1	.....	.....	886
1905.....	203	190	101	148	44	22	57	60	65	17	3	.....	910
1906.....	191	177	86	134	37	24	52	82	48	36	12	.....	879
1907.....	192	155	71	125	34	20	58	52	95	55	22	.....	879
1908.....	165	148	76	96	25	19	47	44	95	65	26	.....	806
1909.....	182	130	78	110	25	32	58	58	96	77	24	.....	870
1910.....	160	127	83	108	39	25	61	79	78	84	23	.....	877
1911.....	158	114	79	71	35	37	49	74	76	64	8	.....	765
1912.....	153	120	89	92	35	31	63	76	69	96	29	.....	853
1913.....	144	119	83	98	29	28	61	66	91	93	36	4	852
1914.....	209	99	67	68	28	26	55	54	80	88	39	.....	813
1915.....	173	92	67	76	28	32	56	69	83	97	30	3	806
1916.....	206	122	53	67	32	24	54	49	105	73	59	20	863
1917.....	174	82	38	62	30	22	60	43	104	77	53	35	780
1918.....	206	66	20	47	15	17	60	50	100	81	62	25	749
1919.....	210	66	25	29	17	17	52	47	100	79	64	27	733
1920.....	162	45	32	27	15	25	50	47	100	76	56	43	678

Yearly individual maximum records of freight steamers.

Year.	Largest single cargo.	Greatest amount of freight carried.	Greatest number of miles run.	Greatest number of mile-tons.
1902.....	8,441	183,270	45,340	158,858,135
1903.....	8,914	164,763	45,330	158,843,977
1904.....	11,536	177,729	33,516	156,410,420
1905.....	12,368	274,401	41,374	249,038,420
1906.....	13,272	313,434	42,986	249,353,420
1907.....	13,800	339,151	43,296	277,001,420
1908.....	13,978	289,952	37,600	243,087,420
1909.....	13,664	312,196	44,443	280,610,420
1910.....	13,048	309,339	43,663	257,030,420
1911.....	12,544	321,338	44,054	281,764,420
1912.....	13,511	374,014	46,835	327,738,420
1913.....	14,280	442,341	43,505	395,582,969
1914.....	13,750	355,864	42,296	307,853,671
1915.....	14,289	377,620	49,995	332,331,135
1916.....	15,347	464,725	51,347	410,519,628
1917.....	15,399	419,712	48,050	349,003,001
1918.....	15,133	464,224	45,851	421,399,358
1919.....	15,500	378,142	43,258	313,903,396
1920.....	15,581	417,321	46,057	361,216,408

Names of steamers making maximum records.

Year.	Steamer.			
1902.....	I. L. Ellwood.....	Wm. Edenborn.....	Troy.....	Wm. Edenborn.
1903.....	Wm. Edenborn.....	John W. Gates.....	Buffalo.....	Bransford.
1904.....	Aug. B. Wolvin.....	Aug. B. Wolvin.....	Huronic.....	Aug. B. Wolvin.
1905.....	E. H. Gary.....	do.....	Duluth.....	Do.
1906.....	J. P. Morgan.....	E. H. Gary.....	E. H. Gary.....	E. H. Gary.
1907.....	do.....	J. P. Morgan.....	J. P. Morgan.....	J. P. Morgan.
1908.....	D. J. Morrell.....	do.....	do.....	D. J. Morrell.
1909.....	E. Y. Townsend.....	E. Y. Townsend.....	E. Y. Townsend.....	E. Y. Townsend.
1910.....	W. B. Schiller.....	H. H. Rogers.....	D. J. Morrell.....	H. H. Rogers.
1911.....	Alva C. Dinkey.....	Shenango.....	Wm. E. Corey.....	Shenango.
1912.....	Col. J. M. Schoonmaker.....	Col. J. M. Schoonmaker.....	do.....	Col. J. M. Schoonmaker.
1913.....	Jas. A. Farrell.....	do.....	The Harvester.....	Do.
1914.....	W. G. Morden.....	Shenango.....	W. B. Dickson.....	Shenango.
1915.....	do.....	P. Roberts, jr.....	Jas. A. Farrell.....	E. Y. Townsend.
1916.....	Col. J. M. Schoonmaker.....	Col. J. M. Schoonmaker.....	Wm. P. Palmer.....	Col. J. M. Schoonmaker.
1917.....	E. W. Pargny.....	Wm. A. McGonagle.....	Wm. A. McGonagle.....	Wm. P. Snyder, jr.
1918.....	D. G. Kerr.....	Col. J. M. Schoonmaker.....	do.....	Wm. J. Filbert.
1919.....	W. G. Morden.....	Homer D. Williams.....	Eugene W. Pargny.....	Homer D. Williams.
1920.....	W. J. Filbert.....	E. W. Pargny.....	N. F. Leopold.....	E. L. Ford.

Maximum number of lockages in one day.

Lock.	Date.	Number of lockages.	Number of ships.	Registered tonnage.	Freight tonnage.
Weitzel.....	July 19, 1895.....	41	100	<i>Net.</i> 79,197	58,997
Poe.....	July 19, 1915.....	38	64	103,537	16,709
Third.....	July 9, 1916.....	31	46	185,664	257,546
Fourth.....	June 24, 1920.....	21	34	159,429	354,568
Canadian.....	June 8, 1910.....	39	39	143,526	253,347

Maximum freight for one day.

Lock.	Date.	Number of lockages.	Number of ships.	Registered tonnage.	Freight tonnage.
Weitzel.....	Sept. 9, 1895.....	31	98	<i>Net.</i> 85,192	105,502
Poe.....	Sept. 2, 1907.....	28	49	160,179	295,502
Third.....	July 28, 1919.....	25	51	214,117	463,482
Fourth.....	July 15, 1920.....	19	39	163,131	381,041
Canadian.....	June 2, 1913.....	33	43	154,739	291,983

American and Canadian canals.

The maximum freight traffic for a single day was on October 5, 1916, when 640,782 tons passed through the canals. The vessel passages on this day numbered 129, the aggregate registered tonnage being 378,125.

Freight rates for water transportation to and from Lake Superior.

Year.	Coal.	Flour.	Wheat.	Grain (other than wheat).	Manufac- tured iron.	Pig iron.	Salt.
	<i>Tons.</i>	<i>Barrels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>
1887.....	\$0.90	\$0.29	\$0.07	\$0.07	\$2.35	\$2.35	\$1.20
1888.....	.70	.175	.035	.043	1.80	1.30	1.07
1889.....	.47	.18	.04	.033	2.10	1.45	1.20
1890.....	.45	.13	.03	.02	1.34	1.35	1.00
1891.....	.43	.15	.016	.035	2.50	1.17	1.20
1892.....	.41	.165	.036	.038	2.15	1.23	1.00
1893.....	.40	.17	.028	.028	2.00	1.30	.80
1894.....	.40	.14	.025	.028	.90	1.15	.80
1895.....	.37	.14	.044	.045	1.50	1.05	.87
1896.....	.32	.11	.025	.023	1.40	1.05	1.00
1897.....	.30	.10	.017	.02	1.40	1.05	1.00
1898.....	.25	.10	.02	.02	1.40	1.05	1.00
1899.....	.46	.13	.036	.036	1.70	1.50	1.01
1900.....	.44	.12	.02	.02	2.00	1.50	1.00
1901.....	.38	.12	.023	.022	2.00	1.50	1.01
1902.....	.45	.12	.019	.019	2.00	1.50	1.02
1903.....	.53	.12	.016	.016	2.00	1.50	1.02
1904.....	.40	.13	.018	.018	2.00	1.50	.67
1905.....	.33	.14	.023	.023	2.00	1.50	.68
1906.....	.35	.18	.022	.022	2.00	1.50	.81
1907.....	.31	.20	.019	.019	1.80	1.50	.81
1908.....	.30	.22	.012	.012	1.80	1.50	1.01
1909.....	.31	.23	.02	.02	1.80	1.50	1.01
1910.....	.31	.23	.0133	.0133	1.80	1.50	.68
1911.....	.31	.23	.0117	.0117	1.80	1.50	.67
1912.....	.30	.20	.0250	.0250	2.00	1.00	.67
1913.....	.30	.17	.0220	.0220	2.00	.80	.54
1914.....	.30	.17	.0135	.0135	2.00	.70	.47
1915.....	.30	.19	.0355	.0355	2.00	.90	.47
1916.....	.30	.20	.042	.042	2.00	1.50	.80
1917.....	.45	.23	.052	.052	2.00	1.50	1.25
1918.....	.48	.41	.046	.046	2.00	.....	1.30
1919.....	.425	.30	.037	.037	2.00	2.00	1.25
1920.....	.52	.30	.05	.05	2.50	2.50	1.25

Year.	Copper.	Iron ore.	Lumber.	Silver ore.	Stone.	General merchan- dise.
	<i>Tons.</i>	<i>Tons.</i>	<i>M. ft. B. M.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>
1887.....	\$2.60	\$1.75	\$4.00	\$3.00	\$1.15	\$4.00
1888.....	2.35	1.28	2.80	1.90	2.05	3.00
1889.....	2.25	1.14	2.70	1.90	2.02	3.00
1890.....	2.38	1.10	2.38	2.25	2.00	2.75
1891.....	2.00	.98	2.70	2.25	2.00	3.58
1892.....	1.40	1.00	2.95	2.25	1.67	3.60
1893.....	1.75	.80	2.35	2.25	1.36	3.00
1894.....	1.95	.70	1.90	2.25	1.28	2.75
1895.....	1.66	.82	2.00	2.33	1.20	2.50
1896.....	1.95	.82	1.80	2.33	1.50	2.30
1897.....	1.95	.65	1.55	2.33	1.50	2.30
1898.....	2.00	.60	1.65	.....	1.50	2.40
1899.....	2.00	.70	3.00	2.50	2.00	2.50
1900.....	1.60	1.05	2.30	2.00	1.50	2.00
1901.....	1.65	.78	2.55	.....	1.50	2.25
1902.....	1.40	.68	2.45	2.00	1.50	2.00
1903.....	1.43	.75	2.50	.....	1.50	2.00
1904.....	1.45	.63	2.55	2.00	1.50	2.00
1905.....	1.25	.68	2.45	2.00	1.50	2.00
1906.....	1.50	.67	2.70	.....	1.50	2.00
1907.....	1.40	.67	2.50	.....	1.50	2.00
1908.....	1.20	.58	2.60	.....	1.50	2.00
1909.....	1.10	.59	2.40	.....	1.50	2.00
1910.....	1.50	.62	2.35	.....	1.50	2.00
1911.....	1.50	.53	2.50	.....	1.50	2.00
1912.....	1.45	.45	2.65	.....	1.50	2.50
1913.....	1.40	.49	2.60	.....	1.50	2.25
1914.....	1.35	.45	2.75	.....	.....	2.00
1915.....	1.35	.44	2.75	Oil tons.	.....	2.00
1916.....	2.00	.57	3.40	.50	.50	2.35
1917.....	2.00	1.00	5.30	1.00	.60	2.35
1918.....	2.00	1.00	5.60	1.00	.75	2.50
1919.....	4.00	.90	5.50	1.25	1.00	3.50
1920.....	4.00	1.08	7.25	1.00	1.00	4.00

Total values of freight carried through the canals since 1887.

Year.	Coal (hard and soft).	Flour.	Wheat.	Grain (other than wheat).	Manu- factured iron.	Pig iron.	Salt.
1887	\$4,735,454	\$7,863,675	\$22,634,500	\$759,653	\$3,035,750	\$241,468	\$204,906
1888	7,367,640	10,953,625	18,224,424	1,981,882	2,442,950	252,318	210,433
1889	5,702,090	11,143,535	15,907,217	2,090,580	1,577,250	442,272	168,250
1890	7,619,238	16,195,520	15,893,022	2,003,496	4,680,750	386,104	179,431
1891	8,776,382	18,900,715	38,040,239	1,011,462	2,128,000	462,077	234,528
1892	10,164,431	21,672,540	30,746,085	933,346	2,988,600	709,716	275,740
1893	10,528,420	29,682,606	32,611,239	1,216,993	2,882,300	550,902	228,730
1894	8,191,917	33,621,649	22,316,469	772,504	1,805,350	331,452	237,461
1895	6,993,351	33,383,632	30,041,863	4,164,347	3,683,150	346,788	202,439
1896	8,452,673	34,199,013	47,442,347	10,704,748	4,696,200	377,298	178,136
1897	9,456,234	40,145,144	48,654,143	11,449,556	6,092,400	176,437	214,066
1898	10,331,481	33,056,643	49,871,997	13,039,192	10,709,350	476,775	226,170
1899	12,854,278	25,610,929	43,798,001	19,110,552	19,111,000	457,762	237,252
1900	14,620,440	27,042,732	28,342,511	14,071,953	11,551,000	351,313	328,965
1901	15,492,226	27,811,637	36,440,719	22,779,033	17,609,800	485,520	332,630
1902	16,570,398	31,185,840	55,246,295	25,521,556	20,323,340	277,925	288,149
1903	24,898,407	31,220,210	49,107,642	22,787,999	18,385,950	522,440	313,417
1904	19,657,221	25,907,959	52,425,313	23,121,694	18,512,600	672,885	255,821
1905	20,706,202	30,018,139	61,489,159	25,891,405	18,195,100	872,409	296,185
1906	25,139,044	27,280,470	67,417,086	38,583,440	29,614,800	387,002	351,121
1907	34,461,544	32,632,800	98,135,775	36,074,471	23,002,800	474,440	315,002
1908	28,868,337	29,947,969	107,102,292	37,374,381	20,275,950	331,535	410,417
1909	29,014,855	38,308,545	120,048,775	39,541,333	26,122,025	707,390	488,318
1910	41,392,801	36,974,730	88,330,213	30,611,478	31,654,320	808,335	396,458
1911	48,552,057	31,058,527	97,627,621	32,626,087	29,773,980	601,422	529,046
1912	49,303,871	40,665,119	167,903,430	53,339,146	50,324,800	374,564	496,743
1913	58,927,341	47,488,902	184,339,356	85,285,680	20,412,190	341,400	547,523
1914	46,173,037	47,118,102	156,896,585	48,502,031	17,704,320	262,636	582,908
1915	42,359,320	48,512,348	203,803,792	44,769,140	15,534,440	255,200	544,569
1916	55,916,481	74,760,819	310,488,641	78,279,231	13,372,990	620,066	547,830
1917	99,271,727	96,329,419	438,722,700	83,595,486	9,145,800	377,152	550,264
1918	94,964,114	89,282,957	279,797,373	48,448,939	3,876,700	.....	688,560
1919	74,079,978	88,993,094	261,590,150	68,554,649	9,108,440	115,710	751,144
1920	119,427,870	85,991,630	315,004,271	78,477,805	6,807,330	32,585	992,080

Year.	Copper.	Iron ore.	Lumber.	Silver ore and bullion.	Stone.	General merchan- dise.	Total.
1887	\$6,977,200	\$8,741,995	\$2,974,068	\$53,826	\$134,010	\$20,675,160	\$79,081,757
1888	5,702,090	8,996,808	4,326,696	520,579	335,410	20,751,240	82,156,019
1889	6,691,200	14,335,492	5,679,972	914,589	335,380	18,744,600	83,732,527
1890	8,745,800	16,711,688	6,514,722	527,807	479,730	22,277,640	102,214,948
1891	13,838,800	12,460,744	6,508,490	266,211	440,800	25,025,580	128,178,206
1892	12,998,400	17,153,962	9,231,192	296,815	396,960	27,548,760	135,117,267
1893	17,506,600	14,050,946	10,593,810	379,861	194,260	24,910,800	145,436,967
1894	19,914,400	17,627,078	11,564,408	46,144	214,170	27,071,100	143,114,502
1895	21,490,000	22,332,319	8,888,000	11,200	238,760	27,798,480	159,575,129
1896	23,374,400	25,705,062	8,562,325	26,880	177,310	31,251,060	195,146,842
1897	24,464,400	31,901,145	10,875,762	560	62,490	34,742,890	218,235,627
1898	29,814,240	35,120,880	12,984,32	.....	46,700	37,368,760	233,069,740
1899	38,428,400	52,116,016	17,646,69	60,875	468,756	52,873,560	281,964,750
1900	39,319,000	61,663,380	15,009,211	13,750	586,824	54,139,700	267,041,969
1901	26,227,66	58,794,509	16,617,122	.....	559,008	69,755,125	289,906,985
1902	22,916,20	75,260,420	17,736,04	125	167,028	92,512,500	356,306,300
1903	25,961,710	74,709,398	18,057,56	.....	255,600	82,479,875	349,405,014
1904	26,305,000	52,034,862	10,388,220	74,540	325,116	98,821,215	334,502,696
1905	30,358,000	93,997,911	17,885,011	2,255	130,788	117,121,620	416,965,484
1906	36,595,20	121,981,795	19,813,82	.....	74,664	170,227,650	537,463,454
1907	27,887,90	148,481,040	14,931,60	.....	10,776	153,398,100	569,530,188
1908	26,044,160	83,811,156	9,528,081	.....	10,190	126,435,150	470,141,318
1909	32,566,272	146,054,070	12,152,60	.....	17,840	171,051,600	626,104,178
1910	32,921,884	165,582,463	13,509,62	.....	96,350	211,732,350	654,010,944
1911	23,184,175	107,559,323	12,566,43	.....	53,420	207,887,700	595,019,944
1912	28,653,730	134,279,927	15,687,37	.....	22,820	249,717,450	791,357,537
1913	20,063,300	158,760,865	14,090,30	.....	61,810	265,629,000	865,957,628
1914	22,757,172	87,016,129	10,173,30	.....	.....	197,595,600	634,800,208
1915	60,462,514	126,598,091	10,270,47	Oil.	.....	239,309,700	882,263,141
1916	71,214,295	209,391,953	7,919,66	9,562,518	517,476	135,579,750	974,161,186
1917	66,297,996	282,320,814	9,641,47	11,287,027	628,101	98,754,750	1,196,922,198
1918	42,178,220	302,756,480	10,980,03	15,036,030	502,511	98,887,400	987,005,347
1919	24,239,735	259,306,239	9,777,40	15,480,920	556,755	121,990,050	910,512,944
1920	18,040,750	340,682,988	9,931,91	17,674,450	985,724	125,124,750	1,119,774,214

Unit values of freight carried through the canals since 1888.

Year.	Coal, anthra- cite, per ton.	Coal, bitu- minous, per ton.	Flour, per barrel.	Wheat, per bushel.	Grain (other than wheat), per bushel.	Manu- factured iron, per ton.	Pig iron, per ton.
1888.....	¹ \$3.50	¹ \$3.50	\$5.00	\$0.98	\$0.98	\$50.00	\$17.00
1889.....	¹ 3.50	¹ 3.50	5.00	.98	.98	50.00	17.00
1890.....	¹ 3.50	¹ 3.50	5.00	.98	.98	50.00	17.00
1891.....	¹ 3.50	¹ 3.50	5.00	.98	.98	50.00	17.00
1892.....	¹ 3.50	¹ 3.50	4.00	.75	.56	50.00	17.00
1893.....	¹ 3.50	¹ 3.50	4.00	.75	.56	50.00	17.00
1894.....	¹ 2.93	¹ 2.93	3.75	.64	.50	50.00	13.50
1895.....	4.25	2.40	3.75	.65	.50	50.00	13.00
1896.....	4.75	2.50	3.85	.75	.39	50.00	13.50
1897.....	5.50	2.60	4.50	.87	.46	50.00	13.25
1898.....	4.75	2.40	4.25	.80	.50	50.00	13.25
1899.....	5.70	2.60	3.60	.75	.59	100.00	19.50
1900.....	5.25	3.00	4.00	.70	.87	100.00	17.50
1901.....	5.60	2.90	3.25	.69	.92	100.00	16.00
1902.....	6.25	3.25	3.50	.72	.92	110.00	20.75
1903.....	5.80	3.15	4.50	.80	.71	110.00	20.00
1904.....	5.50	2.60	5.50	1.05	.70	100.00	15.00
1905.....	5.60	2.75	5.20	.90	.66	100.00	15.65
1906.....	5.75	2.50	4.20	.80	.71	80.00	18.50
1907.....	5.80	2.60	5.00	1.00	.83	80.00	23.25
1908.....	5.47	2.50	5.25	1.01	.86	75.00	17.50
1909.....	5.47	2.50	5.40	1.06	.85	75.00	17.40
1910.....	5.30	2.75	4.88	1.024	.78	80.00	16.50
1911.....	5.85	2.75	4.70	1.006	.80	80.00	15.00
1912.....	6.00	2.85	4.70	.966	.78	80.00	14.50
1913.....	5.85	2.70	4.65	.90	.76	80.00	15.00
1914.....	5.85	2.70	4.85	1.044	.71	80.00	14.29
1915.....	5.80	2.70	5.75	1.15	.69	80.00	14.50
1916.....	6.10	3.05	7.30	1.40	.84	80.00	17.70
1917.....	6.50	5.25	11.40	2.38	1.24	100.00	35.50
1918.....	8.00	4.90	10.85	2.28	1.58	100.00	.....
1919.....	8.85	4.60	11.00	2.30	1.30	80.00	30.00
1920.....	11.00	8.00	11.50	2.20	1.52	90.00	58.50

Year.	Salt, per ton.	Copper, per ton.	Iron ore, per ton.	Lumber, per thou- sand feet.	Silver ore, per ton.	Stone, per ton.	General merchan- dise, per ton.
1888.....	\$6.67	\$200.00	\$3.50	\$18.00	\$153.79	\$10.00	\$60.00
1889.....	6.67	200.00	3.50	18.00	153.79	10.00	60.00
1890.....	6.67	200.00	3.50	18.00	153.79	10.00	60.00
1891.....	6.67	200.00	3.50	18.00	153.79	10.00	60.00
1892.....	6.67	200.00	3.50	18.00	153.79	10.00	60.00
1893.....	6.67	200.00	3.50	18.00	153.79	10.00	60.00
1894.....	6.67	200.00	3.50	18.00	153.79	10.00	60.00
1895.....	6.67	200.00	2.60	16.00	112.00	10.00	60.00
1896.....	5.01	200.00	2.77	12.00	112.00	10.00	60.00
1897.....	5.01	200.00	3.25	12.50	112.00	10.00	60.00
1898.....	5.01	200.00	3.00	13.50	112.00	10.00	60.00
1899.....	5.02	240.00	3.00	14.50	.....	10.00	60.00
1900.....	5.03	320.00	3.40	17.00	125.00	12.00	90.00
1901.....	6.68	300.00	3.75	16.50	125.00	12.00	100.00
1902.....	5.03	266.00	3.25	15.50	.....	12.00	125.00
1903.....	4.41	190.00	3.10	16.25	125.00	12.00	125.00
1904.....	4.74	230.00	3.45	18.00	.....	12.00	125.00
1905.....	4.72	240.00	2.65	17.75	55.00	12.00	135.00
1906.....	4.74	285.00	3.00	18.50	55.00	12.00	140.00
1907.....	4.95	340.00	3.45	22.00	.....	12.00	150.00
1908.....	5.03	310.00	3.75	23.00	.....	12.00	150.00
1909.....	5.05	256.00	3.40	21.00	.....	10.00	150.00
1910.....	5.07	256.00	3.65	22.00	.....	10.00	150.00
1911.....	5.05	222.34	3.98	22.40	.....	10.00	150.00
1912.....	5.39	175.00	3.50	22.50	.....	10.00	150.00
1913.....	5.04	245.00	2.90	23.50	.....	10.00	150.00
1914.....	5.02	235.00	3.30	23.50	.....	10.00	150.00
1915.....	5.03	248.00	2.77	22.50	Oil, per ton.	.....	150.00
1916.....	4.34	386.50	2.80	22.50	.....	.....	150.00
1917.....	5.02	565.00	3.30	23.20	42.00	² 1.00	150.00
1918.....	6.50	558.00	4.60	27.50	43.00	² 1.10	150.00
1919.....	8.50	490.00	5.00	37.00	45.00	² 1.25	200.00
1920.....	8.00	415.00	5.10	40.00	40.00	² 1.50	225.00
.....	10.00	350.00	6.00	51.50	50.00	² 1.75	225.00

¹ Average price for anthracite and bituminous coal combined.
² Includes broken stone, gravel, and sand.

Statement of commerce through both American and Canadian canals at Sault

Year.	Date of opening canal.	Date of closing canal.	Class and tonnage of vessels.				Passenger and freight traffic.				
			Passages by—			Total pas-sages.	Net regis-tered ton-nage.	Pas-sen-gers.	Coal.	Flour.	Wheat.
			Steam-ers.	Other regis-tered craft.	Un-regis-tered craft.						
1855.	June 18	Nov. 23	149	44	.....	193	106,296	8,295	1,414	10,289	
1856.	May 4	Nov. 28	178	112	.....	290	101,458	7,992	3,968	17,686	
1857.	May 9	Nov. 30	184	192	.....	376	180,820	6,650	5,298	18,515	
1858.	Apr. 18	Nov. 20	224	182	.....	406	219,819	9,230	4,118	13,782	
1859.	May 3	Nov. 28	258	411	.....	669	352,642	.....	8,884	39,459	74
1860.	May 11	Nov. 26	337	579	.....	916	403,657	.....	.....	50,250	
1861.	May 3	Nov. 14	298	242	.....	538	276,639	8,816	11,507	22,743	223
1862.	Apr. 27	Nov. 27	295	543	.....	838	359,612	8,468	11,346	17,291	
1863.	Apr. 28	Nov. 24	305	952	.....	1,257	507,434	18,281	7,805	31,975	
1864.	May 2	Dec. 4	366	1,045	.....	1,411	571,438	16,985	11,282	33,937	
1865.	May 1	Dec. 3	395	602	.....	997	409,062	19,777	.....	34,985	
1866.	May 5	Dec. 3	453	555	.....	1,008	458,530	14,067	19,915	33,603	
1867.	May 4	Dec. 3	466	839	.....	1,305	556,899	15,120	22,927	28,345	
1868.	May 2	Dec. 3	338	817	.....	1,155	432,563	10,590	25,814	27,372	
1869.	May 4	Nov. 29	399	939	.....	1,338	524,885	17,657	27,850	32,007	
1870.	Apr. 29	Dec. 1	431	397	.....	1,828	690,826	17,153	15,952	33,548	49,700
1871.	May 8	Nov. 29	573	1,064	.....	1,637	752,101	15,859	46,798	26,040	1,376,705
1872.	May 11	Nov. 26	792	1,212	.....	2,004	914,735	25,830	80,815	136,411	567,134
1873.	May 5	Nov. 18	968	1,519	.....	2,517	1,204,446	30,966	96,780	172,662	2,119,997
1874.	May 12	Dec. 2	901	833	.....	1,734	1,070,857	22,958	61,124	179,855	1,120,015
1875.	May 12	Dec. 2	1,464	569	.....	2,033	1,259,534	19,685	101,260	309,991	1,213,788
1876.	May 8	Nov. 26	1,733	684	.....	2,417	1,541,676	20,286	124,960	390,577	1,971,549
1877.	May 2	Nov. 30	1,050	1,401	.....	2,451	1,439,216	21,800	91,575	355,117	1,349,738
1878.	Apr. 8	Dec. 3	1,476	1,091	.....	2,567	1,667,136	20,394	91,856	344,999	1,872,940
1879.	May 2	Dec. 3	1,618	1,403	100	3,121	1,677,071	18,979	110,704	451,154	2,003,666
1880.	Apr. 28	Nov. 15	1,735	1,718	50	3,503	1,734,890	25,766	170,501	523,860	2,105,920
1881.	May 7	Dec. 5	2,117	1,706	181	4,004	2,092,757	24,671	295,647	605,453	3,456,965
1882.	Apr. 21	Dec. 3	2,739	1,663	872	4,774	2,468,088	29,256	430,184	344,044	3,728,896
1883.	May 2	Dec. 11	2,620	1,458	237	4,315	2,042,259	39,700	714,444	687,031	5,900,473
1884.	Apr. 23	Dec. 10	3,609	1,709	371	5,689	2,997,837	54,214	706,379	1,248,243	11,985,791
1885.	May 6	Dec. 2	3,354	1,689	337	5,380	3,085,937	36,147	894,991	1,440,063	15,274,213
1886.	Apr. 25	Dec. 4	4,584	2,534	306	7,424	4,219,397	27,088	1,009,999	1,759,365	18,991,485
1887.	May 1	Dec. 2	5,968	2,562	825	9,355	4,897,598	32,668	1,352,987	1,572,735	23,096,520
1888.	May 7	Dec. 4	5,305	2,009	489	7,803	5,130,659	25,558	2,105,041	2,190,725	18,596,351
1889.	Apr. 15	Dec. 4	6,501	2,635	443	9,579	7,221,935	25,712	1,629,197	2,228,707	16,231,854
1890.	Apr. 20	Dec. 3	7,288	2,872	417	10,557	8,454,435	24,856	2,176,925	3,239,104	16,217,370
1891.	Apr. 27	Dec. 7	7,339	2,405	447	10,191	8,400,685	26,190	2,507,532	3,780,143	38,816,570
1892.	Apr. 18	Dec. 6	8,737	3,324	619	12,580	10,647,203	25,896	2,904,266	5,418,135	40,994,780
1893.	May 1	Dec. 5	8,379	2,955	674	12,008	8,949,754	18,869	3,008,120	7,420,674	43,481,652
1894.	Apr. 17	Dec. 6	10,208	3,676	607	14,491	13,110,366	27,236	2,797,184	8,965,773	34,869,483
1895.	Apr. 25	Dec. 11	12,495	4,790	671	17,956	16,806,781	31,656	2,674,362	8,902,302	46,218,250
1896.	Apr. 21	Dec. 8	13,404	4,391	820	18,615	17,249,418	37,066	3,023,340	8,882,858	63,256,463
1897.	Apr. 21	Dec. 14	12,029	4,438	704	17,171	17,619,939	40,213	3,039,172	8,921,143	55,924,302
1898.	Apr. 11	Dec. 14	12,461	4,449	851	17,761	18,622,754	43,426	3,776,450	7,778,043	62,339,996
1899.	Apr. 26	Dec. 20	14,378	4,776	1,101	20,255	21,958,347	49,082	3,940,887	7,114,147	58,397,335
1900.	Apr. 19	Dec. 16	14,426	4,004	1,022	19,452	22,315,834	58,555	4,486,977	6,760,688	40,489,302
1901.	Apr. 20	Dec. 21	14,372	4,482	1,187	20,041	24,620,970	59,663	4,593,136	7,634,550	52,812,636
1902.	Apr. 1	Dec. 20	17,069	4,368	1,222	22,659	31,955,582	59,377	4,812,478	8,910,240	76,730,965
1903.	Apr. 2	Dec. 15	14,027	3,569	1,000	18,596	27,736,444	55,175	6,937,633	7,093,360	61,384,552
1904.	Apr. 30	Dec. 26	12,188	2,994	938	16,120	24,364,138	37,695	6,454,869	4,710,538	49,928,880
1905.	Apr. 10	Dec. 20	17,197	3,263	1,219	21,679	36,617,699	54,204	6,509,056	5,772,719	68,321,288
1906.	Apr. 13	Dec. 22	18,138	2,817	1,200	22,155	41,098,324	63,033	8,739,630	6,495,350	84,271,358
1907.	Apr. 22	Dec. 15	17,245	2,303	889	20,437	44,087,974	62,758	11,400,095	6,524,770	95,135,775
1908.	Apr. 21	Dec. 15	12,553	1,355	1,273	15,181	31,091,730	53,287	9,902,460	5,704,375	106,041,879
1909.	Apr. 20	Dec. 16	16,463	1,787	954	19,204	46,751,717	59,948	9,940,026	7,094,175	113,253,561
1910.	Apr. 12	Dec. 15	17,674	1,890	1,335	20,899	49,850,123	66,933	13,513,727	7,570,789	86,259,974
1911.	Apr. 22	Dec. 16	15,160	1,681	1,832	18,673	41,653,488	79,951	15,332,576	7,246,495	97,141,911
1912.	Apr. 24	Dec. 19	19,076	1,805	1,897	22,778	56,736,807	86,877	14,931,594	8,652,153	174,086,466
1913.	Apr. 14	Dec. 18	19,789	1,992	2,014	23,795	57,989,715	77,194	15,622,938	10,212,650	204,821,507
1914.	Apr. 20	Dec. 17	14,994	1,682	2,041	18,717	41,980,339	59,801	14,487,221	9,715,085	150,284,095
1915.	Apr. 13	Dec. 20	17,699	1,884	1,650	21,233	56,399,147	50,336	15,357,058	8,436,937	255,481,538
1916.	Apr. 18	Dec. 19	21,006	2,461	1,340	25,407	69,824,463	64,922	16,123,119	10,239,841	226,063,315
1917.	Apr. 24	Dec. 17	19,599	1,943	1,873	22,885	65,307,233	38,339	18,298,833	8,449,949	185,899,449
1918.	Apr. 20	Dec. 17	17,067	1,634	1,909	20,610	61,100,244	34,990	17,981,610	8,228,844	122,718,146
1919.	Apr. 10	Dec. 15	14,866	1,218	1,403	17,587	50,089,090	56,992	13,874,951	8,087,554	113,734,848
1920.	Apr. 19	Dec. 26	16,336	1,354	1,157	18,847	58,194,083	68,451	14,156,259	7,477,533	143,456,487

Ste. Marie, Michigan, and Ontario, for each year from first opening in 1855.

Passenger and freight traffic.										
Grain (other than wheat).	Manu- factured and pig iron.	Salt.	Copper.	Iron ore.	Lum- ber.	Silver ore and bullion.	Stone.	General merchan- dise.	Total freight.	Year.
<i>Bushels.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Mft.b.m.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	
82,060	1,445	29	3,196	1,447	127			5,690	14,503	1855
40,637	2,272	154	5,977	11,597	433			5,538	33,817	1856
21,000	4,426	168	4,400	26,185	680			7,140	51,607	1857
71,738	3,031	183	6,944	31,035	188			9,587	57,002	1858
133,437	7,172	411	7,269	65,769	766			25,280	122,056	1859
76,830	1,446		9,000	120,000				14,915	153,721	1860
59,062	4,904	452	7,645	44,837	664			12,972	87,847	1861
78,480	7,023	372	6,881	113,014	240			19,355	161,675	1862
143,560	7,939	226	1,044	181,567	1,414			30,213	236,780	1863
	9,234	266	5,331	213,753	2,012			33,477	284,350	1864
	7,400	476	9,935	147,459	822			11,226	181,638	1865
229,926	14,484	668	9,550	152,102	660			32,310	239,457	1866
249,031	23,141	797	10,585	222,861	1,177			33,632	325,357	1867
285,123	23,991	694	12,222	191,939	1,404			31,843	299,175	1868
323,501	25,604	887	18,662	239,368	1,423			41,813	368,326	1869
304,077	42,049	1,663	11,301	409,850	814	92	4,560	40,342	539,883	1870
306,823	57,216	5,430	14,562	327,461	1,098	464	5,528	74,227	585,553	1871
445,774	100,293	6,404	14,996	363,105	1,853	306	5,213	109,663	746,258	1872
309,645	47,996	4,400	15,947	504,121	2,191	580	2,218	123,398	888,432	1873
149,999	33,713	6,635	15,345	427,658	686	443	401	55,312	655,138	1874
272,580	56,649	6,598	18,396	493,408	4,498	847	2,978	70,128	833,465	1875
424,468	67,409	7,000	25,756	609,752	17,820	985	2,102	91,119	1,073,570	1876
378,063	42,705	9,478	16,767	568,082	15,373	1,020	2,506	64,201	912,639	1877
264,674	18,116	9,528	22,529	555,750	34,889	768	2,754	69,007	937,351	1878
273,943	44,771	13,837	22,309	540,075	43,439	324	2,226	81,279	1,050,784	1879
2,563,436	54,302	11,687	21,753	677,073	48,635	66	2,283	100,849	1,321,906	1880
367,638	87,830	9,885	29,488	748,131	58,877		1,400	129,031	1,567,741	1881
473,129	92,870	26,492	25,409	987,060	82,783	22	5,428	172,167	2,029,521	1882
776,552	109,010	10,635	31,024	791,732	87,131	814	2,405	191,571	2,267,105	1883
517,103	72,428	21,721	36,062	1,136,071	122,389	9,731	6,047	207,173	2,874,557	1884
422,981	60,842	20,453	31,927	1,235,122	127,984	3,669	8,189	184,963	3,256,628	1885
715,373	115,208	23,802	38,627	2,087,809	138,688	2,009	9,449	230,726	4,527,759	1886
776,166	74,919	30,736	34,866	2,497,713	165,226	3,350	13,401	344,586	5,494,649	1887
2,022,308	63,703	31,565	28,960	2,570,517	240,372	3,385	33,541	345,854	6,411,423	1888
2,133,245	57,561	25,238	33,456	4,095,855	315,554	5,947	33,538	312,410	7,516,022	1889
2,044,384	116,327	26,915	43,729	4,774,708	381,929	3,432	47,973	371,294	9,041,213	1890
1,032,104	69,741	35,179	69,190	3,560,213	366,305	1,731	44,080	417,093	8,888,759	1891
1,666,690	101,520	41,361	64,993	4,901,132	512,844	1,930	39,698	459,146	11,214,333	1892
2,406,344	89,452	34,310	87,530	4,014,596	588,545	2,470	19,426	415,180	10,796,572	1893
1,545,008	60,659	35,619	99,573	6,548,876	722,788	412	21,417	451,185	13,195,860	1894
8,328,694	100,337	40,439	107,452	8,062,209	740,700	100	23,876	463,308	15,062,580	1895
27,448,071	121,872	35,533	116,872	7,909,250	684,986	240	17,731	520,851	16,239,061	1896
24,889,688	135,164	42,701	122,324	10,633,715	805,612	5	6,249	579,048	18,982,755	1897
26,078,384	250,170	45,021	124,226	11,706,960	895,485		4,670	623,146	21,234,664	1898
30,000,935	214,585	47,130	120,090	15,328,240	1,038,057	487	39,063	587,484	25,255,810	1899
16,174,659	135,585	49,259	131,066	16,443,568	909,651	110	48,902	541,397	25,643,073	1900
24,780,547	206,443	66,181	98,601	18,090,618	1,072,124		46,584	558,041	28,403,065	1901
27,740,822	198,152	65,354	120,612	24,277,555	1,091,471	1	38,919	740,100	35,961,146	1902
32,086,646	193,267	67,223	112,877	21,654,898	1,003,192		21,300	659,839	34,674,137	1903
33,080,922	229,965	54,193	109,605	19,635,797	923,280	1,356	27,093	732,009	31,546,106	1904
39,229,553	237,696	62,461	106,520	31,332,637	966,806	41	10,899	836,583	44,270,680	1905
54,343,155	391,105	70,920	107,633	35,357,042	900,631		6,222	1,434,851	51,751,080	1906
43,463,338	307,941	68,626	99,959	39,594,944	649,320		898	1,022,654	58,217,214	1907
43,468,583	289,308	81,337	101,735	24,650,340	453,761		1,019	842,901	41,390,557	1908
46,519,451	522,281	96,303	127,212	40,014,978	552,380		1,784	1,140,344	57,895,149	1909
39,245,456	444,669	78,448	148,070	41,603,634	608,101		9,635	1,111,549	62,363,218	1910
40,782,606	412,269	98,229	132,481	30,731,235	558,513		5,342	1,365,918	53,477,216	1911
60,024,546	654,892	98,415	116,964	46,303,423	667,542		2,282	1,664,783	72,472,672	1912
112,280,369	402,912	108,997	85,378	48,109,353	599,586		6,181	1,770,860	79,718,344	1913
68,388,072	239,683	115,864	91,764	31,413,765	452,148			1,317,304	55,369,934	1914
64,786,870	211,781	104,572	156,436	45,213,604	456,451			1,595,398	71,280,304	1915
93,196,501	202,194	109,000	126,043	63,452,107	341,352	227,679	517,476	903,865	91,888,219	1916
67,415,796	102,082	84,656	118,812	61,374,090	350,609	262,489	571,001	658,365	89,813,898	1917
30,800,621	38,707	81,007	68,078	60,551,296	296,919	334,134	402,009	494,437	65,680,327	1918
52,784,345	117,713	93,893	58,409	46,922,792	244,426	387,023	371,170	542,178	68,235,542	1919
51,300,135	76,194	96,208	51,545	56,780,498	192,854	353,489	563,271	556,110	79,282,496	1920

Statement of freight traffic through American and Canadian canals at Sault Ste Marie, Michigan and Ontario, giving total and yearly mean tonnage for each five year period since first opening in 1855.

Years.	Freight.			Total register.	Iron ore.	Coal.	All other products.			
	West.	East.	Total.				Grain and flour.	Lumber.	Miscellaneous.	Total.
1855-1859:										
Total.	Tons. 278,985	Tons. 136,033	Tons. 415,018	Reg. tons. 961,035	Tons. 27,207	Tons. 23,682	Tons. 14,570	Tons. 4,388	Tons. 100,312	Tons. 119,270
Average.	() 55,797	() 27,207	() 82,994	192,207	() 5,441	() 4,736	() 2,914	() 878	() 20,062	() 23,854
1860-1864:										
Total.	Tons. 924,373	Tons. 673,171	Tons. 1,597,544	2,118,780	Tons. 673,171	Tons. 41,940	Tons. 26,907	Tons. 9,660	Tons. 172,695	Tons. 209,262
Average.	() 184,875	() 134,634	() 319,509	423,756	() 134,634	() 8,388	() 5,381	() 1,932	() 34,540	() 41,853
1865-1869:										
Total.	Tons. 1,413,963	Tons. 983,729	Tons. 2,397,692	2,381,939	Tons. 983,729	Tons. 96,506	Tons. 42,626	Tons. 10,972	Tons. 309,920	Tons. 363,718
Average.	() 282,791	() 196,746	() 479,537	476,388	() 196,746	() 19,301	() 8,565	() 2,195	() 61,984	() 72,744
1870-1874:										
Total.	Tons. 3,415,294	Tons. 2,062,165	Tons. 5,477,459	4,632,965	Tons. 2,062,165	Tons. 301,469	Tons. 247,659	Tons. 13,284	Tons. 800,687	Tons. 1,061,630
Average.	() 683,059	() 410,439	() 1,093,498	926,593	() 410,439	() 60,294	() 49,532	() 2,657	() 160,138	() 212,327
1875-1879:										
Total.	Tons. 4,807,809	Tons. 2,797,067	Tons. 7,604,876	7,584,633	Tons. 2,797,067	Tons. 520,365	Tons. 515,257	Tons. 222,038	Tons. 773,092	Tons. 1,520,387
Average.	() 961,562	() 553,413	() 1,514,975	1,516,927	() 553,413	() 104,071	() 103,052	() 46,408	() 154,619	() 304,079
1880-1884:										
Total.	Tons. 10,060,830	Tons. 4,340,067	Tons. 14,400,897	11,335,831	Tons. 4,340,067	Tons. 2,317,155	Tons. 1,273,404	Tons. 659,733	Tons. 1,470,471	Tons. 3,403,608
Average.	() 2,012,166	() 868,013	() 2,880,179	2,267,166	() 868,013	() 463,431	() 254,081	() 131,947	() 294,094	() 680,722
1885-1889:										
Total.	Tons. 18,540,531	Tons. 12,487,016	Tons. 31,027,547	24,505,526	Tons. 12,487,016	Tons. 7,062,215	Tons. 3,839,601	Tons. 1,596,771	Tons. 2,203,878	Tons. 7,837,260
Average.	() 3,708,106	() 2,497,003	() 6,205,109	4,901,105	() 2,497,003	() 1,416,443	() 767,520	() 319,354	() 440,776	() 1,527,450
1890-1894:										
Total.	Tons. 15,399,159	Tons. 37,737,578	Tons. 53,136,737	49,662,443	Tons. 23,799,545	Tons. 13,394,027	Tons. 8,331,116	Tons. 4,339,485	Tons. 3,272,564	Tons. 15,945,165
Average.	() 3,079,832	() 7,547,516	() 10,627,347	9,912,489	() 4,759,909	() 2,678,806	() 1,666,223	() 867,897	() 654,513	() 3,188,633
1895-1899:										
Total.	Tons. 19,178,684	Tons. 77,596,186	Tons. 96,774,870	92,267,223	Tons. 53,640,374	Tons. 16,354,211	Tons. 15,062,583	Tons. 6,626,738	Tons. 4,904,964	Tons. 26,789,265
Average.	() 3,835,737	() 15,519,237	() 19,354,974	18,451,447	() 10,728,075	() 3,270,842	() 3,132,517	() 1,325,348	() 986,183	() 5,356,058
1900-1904:										
Total.	Tons. 31,185,463	Tons. 125,042,364	Tons. 156,227,827	130,998,974	Tons. 100,102,436	Tons. 27,285,083	Tons. 15,250,959	Tons. 8,332,048	Tons. 5,297,291	Tons. 28,840,298
Average.	() 6,237,083	() 25,008,473	() 31,246,566	26,199,795	() 20,020,487	() 5,457,019	() 3,050,192	() 1,666,410	() 1,051,458	() 5,768,060
1905-1909:										
Total.	Tons. 52,856,874	Tons. 200,657,806	Tons. 253,514,680	199,647,444	Tons. 170,949,941	Tons. 46,491,267	Tons. 22,461,405	Tons. 5,900,922	Tons. 7,661,145	Tons. 36,063,472
Average.	() 10,571,375	() 40,133,561	() 50,704,636	39,929,489	() 34,189,988	() 9,298,254	() 4,492,281	() 1,192,185	() 1,532,259	() 7,216,995
1910-1914:										
Total.	Tons. 85,784,077	Tons. 237,617,311	Tons. 323,401,388	248,222,472	Tons. 198,191,410	Tons. 76,888,356	Tons. 32,906,123	Tons. 4,739,620	Tons. 10,802,879	Tons. 48,351,622
Average.	() 17,156,815	() 47,523,462	() 64,680,278	49,644,494	() 39,632,282	() 15,377,671	() 6,581,625	() 947,924	() 2,160,576	() 9,670,325
1915-1919:										
Total.	Tons. 87,227,388	Tons. 319,680,902	Tons. 406,908,290	302,720,177	Tons. 277,513,889	Tons. 79,635,591	Tons. 37,869,648	Tons. 2,900,495	Tons. 8,938,697	Tons. 49,768,810
Average.	() 17,445,478	() 63,936,180	() 81,381,658	60,544,035	() 55,502,778	() 15,927,118	() 7,579,890	() 580,099	() 1,791,733	() 9,951,762

No record separating east and west.

*Comparative statement of traffic through American and Canadian locks since 1901***WEITZEL LOCK.**

Year.	Passages.	Lockages.	Registered tonnage.	Freight tonnage.	Passengers.
1901	7,004	4,074	5,305,498	2,331,377	23,188
1902	6,469	4,149	5,147,302	1,497,124	11,986
1903	5,173	3,467	4,156,902	1,381,421	9,250
1904	4,747	3,219	4,277,056	1,876,993	13,251
1905	6,561	4,469	6,244,761	2,258,706	15,638
1906	6,507	4,522	6,050,905	2,096,802	16,723
1907	5,616	3,941	5,341,003	1,772,701	15,840
1908	2,697	2,005	2,070,501	817,767	4,855
1909	4,629	3,548	5,448,174	497,572	9,315
1910	4,555	3,361	4,632,273	271,210	5,741
1911	3,752	2,861	1,937,795	101,192	6,495
1912	5,669	4,008	4,837,095	338,051	7,953
1913	6,588	4,690	6,049,561	679,793	17,192
1914	4,732	3,364	3,034,081	257,769	10,332
1918	2,017	1,561	1,045,329	61,615	850

POE LOCK. (OPENED AUG. 3, 1896.)

1901	8,533	4,337	16,916,836	23,250,661	6,513
1902	11,119	5,278	22,260,719	29,735,671	10,792
1903	9,070	4,928	18,841,962	27,790,831	13,906
1904	7,406	4,074	15,882,986	24,640,923	8,355
1905	9,458	5,288	24,176,472	36,543,484	12,763
1906	9,968	5,845	28,138,888	43,083,490	14,202
1907	8,475	5,487	26,160,107	40,859,145	17,035
1908	7,194	4,734	18,816,998	27,839,530	18,224
1909	8,174	5,059	23,491,289	29,634,802	18,421
1910	8,372	5,377	21,844,713	25,656,451	27,795
1911	8,118	5,203	20,383,724	22,422,155	34,276
1912	9,247	5,880	26,110,038	32,496,764	21,642
1913	9,011	5,911	26,013,058	36,342,408	23,304
1914	7,062	4,795	19,155,395	23,188,132	19,057
1915	8,703	5,563	16,321,070	6,084,517	17,441
1916	9,925	6,197	21,779,236	18,592,263	20,279
1917	9,408	5,678	19,816,754	15,585,720	10,302
1918	6,261	4,632	18,448,046	11,750,717	6,220
1919	5,869	4,272	12,879,113	3,857,123	14,917
1920	4,463	3,484	10,986,700	2,988,894	21,127

THIRD LOCK. (OPENED OCT. 21, 1914.)

1915	8,207	4,756	31,597,777	57,464,476	7,937
1916	8,791	5,220	35,258,971	56,492,956	3,028
1917	8,128	4,791	33,597,053	58,776,130	1,688
1918	7,259	4,676	31,585,652	60,946,348	972
1919	6,325	3,965	25,510,478	49,494,635	759
1920	4,836	3,268	18,796,307	22,270,126	2,910

FOURTH LOCK. (OPENED SEPT. 18, 1919.)

1919	1,323	890	5,214,400	10,745,825	160
1920	5,539	3,364	23,272,285	51,542,792	962

CANADIAN LOCK. (OPENED SEPT. 9, 1895.)

1901	4,204	2,910	2,404,642	2,821,027	29,962
1902	5,071	3,419	4,547,561	4,728,351	36,599
1903	4,353	3,247	4,737,580	5,502,185	32,019
1904	3,967	3,022	4,204,096	5,028,190	16,089
1905	5,660	4,035	5,496,466	5,468,490	25,803
1906	5,640	4,156	6,308,531	6,570,788	32,108
1907	6,346	4,592	12,086,864	15,585,368	29,883
1908	5,290	3,916	9,604,231	12,733,260	30,206
1909	6,401	4,964	17,812,254	27,762,775	32,212
1910	7,972	5,831	23,349,137	36,435,557	33,397
1911	6,803	5,228	19,331,969	30,953,869	39,180
1912	7,862	6,200	25,789,674	39,647,861	37,282
1913	8,196	6,266	25,927,096	42,696,143	36,696
1914	6,078	4,787	17,295,958	27,598,467	30,009
1915	4,323	3,489	8,480,300	7,741,311	24,958
1916	6,691	4,773	12,786,256	16,803,000	31,615
1917	5,349	4,142	11,893,426	15,452,048	26,349
1918	5,073	4,031	10,021,217	12,921,647	26,946
1919	4,070	3,175	6,485,099	4,137,959	41,156
1920	4,009	3,077	5,138,791	2,480,684	43,452

GROWTH OF LAKE SUPERIOR COMMERCE.

The movement of freight to and from Lake Superior previous to the opening of the State Canal, in 1855, was by boat to Sault Ste. Marie, where the cargoes were unloaded, taken across the portage 1 mile long, and reloaded aboard boats.

In 1851 about 12,600 tons passed over the tramway portage; the transshipments to Lake Superior ports comprised the articles hay, oats, dry goods, groceries, and mining machinery to the value of \$1,000,000, and those to lower lake ports included copper, iron blooms, and fish, valued at \$675,000.

During the 66 years the canal has been in commission the yearly traffic has increased from a minimum of 14,503 tons in 1855 to a maximum of 91,888,219 tons in 1916.

The increase in tonnage of each year's traffic over that of the preceding year has averaged about 19 per cent. For each decade the average percentage of yearly increase and the total tonnage are as follows:

Year.	Per cent.	Tons.
1855-1864.....	44	1,203,358
1865-1874.....	12	4,829,247
1875-1884.....	17	14,868,639
1885-1894.....	17	80,343,218
1895-1904.....	12	253,002,697
1905-1914.....	13	576,926,068
1915-1920 (6 years).....		486,190,786
Total.....		1,417,364,013

HISTORICAL NOTES.

The St. Marys Rapids are about half a mile wide and three-fourths of a mile long. The fall ranges from 17 to 21 feet with the varying stages of water.

The first canal was built on the Canadian side of the river by the Northwest Fur Co. in 1797-98. The lock was 38 feet long, 8 feet 9 inches wide, with a lift of 9 feet. A towpath was made along the shores for oxen to track the bateaux and canoes through the upper part of the rapids. The lock, excepting its timber floor and miter sills, was destroyed in 1814 by United States troops from Mackinac Island under command of Maj. Holmes.

The first ship canal, known as the State Canal, was built on the American side of the river in 1853 to 1855, some 750,000 acres of land in Michigan having been granted by the United States Congress for the construction thereof. The canal was $1\frac{1}{2}$ miles long, 64 feet wide at the bottom, and 100 feet wide at the water surface. There were two tandem locks of masonry, each 350 feet long by 70 feet wide, with a lift of about 9 feet. The depth in the canal was about 13 feet and in the locks about $11\frac{1}{2}$ feet at the stage of water then prevailing. Capt. A. Canfield, topographical engineers, U. S. Army, made the original surveys. Charles T. Harvey was superintendent of construction, and the St. Marys Falls Ship Canal Co. was the contractor. The locks were destroyed in 1888 by excavations for the present Poe Lock.

The Weitzel Lock, 515 feet long, 80 feet wide in chamber, narrowing to 60 feet at the gates, with 17 feet depth of water on the miter sills (12.6 feet at present low-water datum), was built by the United States in the years 1870 to 1881. During the same period the canal was correspondingly deepened and was widened to 160 feet, and the stone slope walls were replaced with timber piers having a vertical face. Gen. Orlando M. Poe was the engineer officer in charge of the district from 1870 to 1873 and Gen. Godfrey Weitzel from 1873 to 1882. Alfred Noble was the assistant engineer in local charge from 1870 to 1882. Boyle and Roach were the principal contractors.

The Canadian canal, $1\frac{1}{4}$ miles long, 150 feet wide, and 23 feet deep, with lock 900 feet long and 60 feet wide, having 22 feet of water on the miter sills (18.2 feet at present low-water datum), was built on the north side of the river in the years 1888 to 1895. Hon. Collingwood Schreiber was chief engineer of Dominion Canals; etc.; and W. G. McNeill Thompson was the Government engineer in local charge of construction work. Ryan & Haney were the contractors.

The Poe Lock, 800 feet long, 100 feet wide, and having 22 feet of water on the sills (18 feet at present low-water datum), was built by the United States in the years 1887 to 1896. Gen. Orlando M. Poe was the engineer officer in charge of the district from 1883 to 1895; and E. S. Wheeler the assistant engineer in local charge of construction work from 1882 to 1897. Hughes Bros. & Bangs were the principal contractors.

Comparative statement of traffic through American and Canadian locks since 1901

WEITZEL LOCK.

Year.	Passages.	Lockages.	Registered tonnage.	Freight tonnage.	Passengers.
1901	7,004	4,074	5,305,498	2,331,377	23,188
1902	6,469	4,149	5,147,302	1,497,124	11,986
1903	5,173	3,467	4,156,902	1,381,421	9,250
1904	4,747	3,219	4,277,056	1,876,993	13,251
1905	6,561	4,469	6,944,761	2,258,706	15,638
1906	6,507	4,522	6,650,905	2,096,802	16,723
1907	5,616	3,941	5,841,003	1,772,701	15,840
1908	2,697	2,005	2,670,501	817,767	4,855
1909	4,629	3,548	5,448,174	497,572	9,315
1910	4,555	3,361	4,682,273	271,210	5,741
1911	3,752	2,861	1,937,795	101,192	6,495
1912	5,669	4,008	4,837,095	338,051	7,953
1913	6,588	4,690	6,049,561	679,793	17,192
1914	4,732	3,364	5,634,081	257,769	10,352
1918	2,017	1,561	1,045,329	61,615	850

POE LOCK. (OPENED AUG. 3, 1896.)

1901	8,533	4,337	16,916,836	23,250,661	6,513
1902	11,119	5,278	22,260,719	29,735,671	10,792
1903	9,070	4,928	18,841,962	27,790,831	13,906
1904	7,406	4,074	15,882,998	24,640,923	8,355
1905	9,458	5,288	24,176,472	36,543,484	12,763
1906	9,968	5,845	28,138,888	43,083,490	14,202
1907	8,475	5,487	26,160,107	40,859,145	17,035
1908	7,194	4,734	18,816,998	27,839,530	18,224
1909	8,174	5,059	23,491,289	29,634,802	18,421
1910	8,372	5,377	21,841,713	25,656,451	27,795
1911	8,118	5,203	20,383,724	22,422,155	34,276
1912	9,247	5,880	26,110,038	32,486,784	21,642
1913	9,011	5,911	26,013,058	36,342,408	23,304
1914	7,062	4,795	19,155,395	23,188,132	19,057
1915	8,703	5,563	16,321,070	6,084,517	17,441
1916	9,925	6,197	21,779,236	18,592,263	20,279
1917	9,408	5,678	19,816,754	15,585,720	10,302
1918	6,261	4,632	18,448,046	11,750,717	6,220
1919	5,869	4,272	12,879,113	3,857,123	14,917
1920	4,463	3,484	10,986,700	2,988,894	21,127

THIRD LOCK. (OPENED OCT. 21, 1914.)

1915	8,207	4,756	31,567,777	57,464,476	7,937
1916	8,791	5,220	35,258,971	56,492,956	3,028
1917	8,128	4,791	33,597,053	58,776,130	1,688
1918	7,259	4,676	31,585,652	60,946,348	972
1919	6,325	3,965	25,510,478	49,494,635	750
1920	4,836	3,268	18,796,307	22,270,126	2,910

FOURTH LOCK. (OPENED SEPT. 18, 1919.)

1919	1,323	890	5,214,400	10,745,825	160
1920	5,539	3,364	23,272,285	51,542,792	962

CANADIAN LOCK. (OPENED SEPT. 9, 1895.)

1901	4,204	2,910	2,401,642	2,821,027	29,962
1902	5,071	3,419	4,517,561	4,728,351	36,599
1903	4,353	3,217	4,737,580	5,502,185	32,019
1904	3,967	3,022	4,204,096	5,028,190	16,089
1905	5,660	4,035	5,496,466	5,468,490	25,803
1906	5,680	4,156	6,308,531	6,570,788	32,108
1907	6,346	4,592	12,086,864	15,585,368	29,883
1908	5,290	3,946	9,601,231	12,733,260	30,206
1909	6,401	4,964	17,812,254	27,762,775	32,212
1910	7,972	5,831	23,319,137	36,435,557	33,397
1911	6,803	5,228	19,331,969	30,953,869	39,180
1912	7,862	6,200	25,789,674	39,647,861	37,282
1913	8,196	6,266	25,927,096	42,666,143	36,696
1914	6,078	4,787	17,295,958	27,598,467	30,009
1915	4,323	3,489	8,480,300	7,741,311	24,958
1916	6,691	4,773	12,786,256	16,803,000	31,615
1917	5,349	4,142	11,893,426	15,452,048	26,349
1918	5,073	4,031	10,021,217	12,921,647	26,948
1919	4,070	3,175	6,485,099	4,137,959	41,156
1920	4,009	3,077	5,138,791	2,480,684	43,452

GROWTH OF LAKE SUPERIOR COMMERCE.

The movement of freight to and from Lake Superior previous to the opening of the State Canal, in 1855, was by boat to Sault Ste. Marie, where the cargoes were unloaded, taken across the portage 1 mile long, and reloaded aboard boats.

In 1851 about 12,600 tons passed over the tramway portage; the transshipments to Lake Superior ports comprised the articles hay, oats, dry goods, groceries, and mining machinery to the value of \$1,000,000, and those to lower lake ports included copper, iron blooms, and fish, valued at \$675,000.

During the 66 years the canal has been in commission the yearly traffic has increased from a minimum of 14,503 tons in 1855 to a maximum of 91,888,219 tons in 1916.

The increase in tonnage of each year's traffic over that of the preceding year has averaged about 19 per cent. For each decade the average percentage of yearly increase and the total tonnage are as follows:

Year.	Per cent.	Tons.
1855-1864.....	44	1,203,358
1865-1874.....	12	4,829,247
1875-1884.....	17	14,868,639
1885-1894.....	17	80,313,218
1895-1904.....	12	253,002,697
1905-1914.....	13	576,926,068
1915-1920 (6 years).....		486,190,786
Total.....		1,417,364,013

HISTORICAL NOTES.

The St. Marys Rapids are about half a mile wide and three-fourths of a mile long. The fall ranges from 17 to 21 feet with the varying stages of water.

The first canal was built on the Canadian side of the river by the Northwest Fur Co. in 1797-98. The lock was 38 feet long, 8 feet 9 inches wide, with a lift of 9 feet. A towpath was made along the shores for oxen to track the bateaux and canoes through the upper part of the rapids. The lock, excepting its timber floor and miter sills, was destroyed in 1814 by United States troops from Mackinac Island under command of Maj. Holmes.

The first ship canal, known as the State Canal, was built on the American side of the river in 1853 to 1855, some 750,000 acres of land in Michigan having been granted by the United States Congress for the construction thereof. The canal was 1 $\frac{1}{4}$ miles long, 64 feet wide at the bottom, and 100 feet wide at the water surface. There were two tandem locks of masonry, each 350 feet long by 70 feet wide, with a lift of about 9 feet. The depth in the canal was about 13 feet and in the locks about 11 $\frac{1}{2}$ feet at the stage of water then prevailing. Capt. A. Canfield, topographical engineers, U. S. Army, made the original surveys. Charles T. Harvey was superintendent of construction, and the St. Marys Falls Ship Canal Co. was the contractor. The locks were destroyed in 1888 by excavations for the present Poe Lock.

The Weitzel Lock, 515 feet long, 80 feet wide in chamber, narrowing to 60 feet at the gates, with 17 feet depth of water on the miter sills (12.6 feet at present low-water datum), was built by the United States in the years 1870 to 1881. During the same period the canal was correspondingly deepened and was widened to 160 feet, and the stone slope walls were replaced with timber piers having a vertical face. Gen. Orlando M. Poe was the engineer officer in charge of the district from 1870 to 1873 and Gen. Godfrey Weitzel from 1873 to 1882. Alfred Noble was the assistant engineer in local charge from 1870 to 1882. Boyle and Roach were the principal contractors.

The Canadian canal, 1 $\frac{1}{2}$ miles long, 150 feet wide, and 23 feet deep, with lock 900 feet long and 60 feet wide, having 22 feet of water on the miter sills (18.2 feet at present low-water datum), was built on the north side of the river in the years 1888 to 1895. Hon. Collingwood Schreiber was chief engineer of Dominion Canals, etc.; and W. G. McNeill Thompson was the Government engineer in local charge of construction work. Ryan & Haney were the contractors.

The Poe Lock, 800 feet long, 100 feet wide, and having 22 feet of water on the sills (18 feet at present low-water datum), was built by the United States in the years 1887 to 1896. Gen. Orlando M. Poe was the engineer officer in charge of the district from 1883 to 1895; and E. S. Wheeler the assistant engineer in local charge of construction work from 1882 to 1897. Hughes Bros. & Bangs were the principal contractors.

The third lock, 1,350 feet long and 80 feet wide, and having 24½ feet of water upon its miter sills at low-water datum, was built by the United States in the years 1908 to 1914, and opened to traffic October 21 of the latter year.

The new fourth lock, of same dimensions as third lock, was built by the United States in the years 1913 to 1919, and opened to traffic September 18, 1919.

Since 1892 the canal leading to the Weitzel and Poe locks has been deepened in its upper reach to 24 feet. The new canal leading to the third and fourth locks has a least depth of 24 feet. The length between the upper and lower entrances is about 1½ miles.

The present low-water planes are 601.6 Lake Superior and 580.6 foot of locks above mean tide at New York, levels of 1903.

The canal also practically includes those parts of the channel through St. Marys River which have been improved through shoals of sand, clay, bowlders, sandstone, and limestone rock. The United States Government made the first appropriation for improving the river channels in 1856. The Lake George route was improved for 12 feet draft, 1857 to 1860 and 1866 to 1869. The depth was increased to 16 feet, 1879 to 1883. The Hay Lake route was improved for a depth of 20 feet at mean stage of water, years 1882 to 1894. Betterment of the channels has been continued since that time, so that the dredged areas now total 45 miles in length with least width of 300 feet, increasing at angles and at other critical places up to 1,000 feet. In 1903 excavation of the Middle and West Neebish Channels was begun for 21 feet at lowest stage of water. The West Neebish Channel was opened to commerce in 1908, and the deepening of the Middle Neebish Channel was completed in 1912. Down bound traffic uses the West Neebish Channel and upbound traffic the Middle Neebish route.

The Engineer officers in past charge of the river improvements were: Capt. A. W. Whipple, 1858-1861; Col. T. J. Cram, 1866-1870; Maj. O. M. Poe, 1870-1873; Col. G. Weitzel, 1873-1882; Maj. F. U. Farquhar, 1882-1883; Col. O. M. Poe, 1883-1895; Col. G. J. Lydecker, 1896-1902; Maj. W. H. Bixby, 1902-1904; Col. Chas. E. L. B. Davis, 1904-1908; Col. C. McD. Townsend, 1908-1912; Col. Mason M. Patrick, 1912-1916; Col. Harry Burgess, 1916-1917; Col. F. W. Altstaetter, 1917-1918; and Mr. L. C. Sabin was district engineer 1918-19.

The cost of the several improvements, stated in round numbers, is as follows:

Locks and canal of 1855.....	\$1, 000, 000
Weitzel Lock.....	1, 000, 000
Poe Lock.....	3, 000, 000
Third Lock and new canal.....	5, 000, 000
Fourth Lock.....	2, 500, 000
Widening and deepening canal.....	4, 400, 000
Improving channel through river.....	9, 400, 000
Canadian lock, canal, and approaches.....	5, 000, 000

Hydraulic power is used for operating the Weitzel and Poe locks. Electricity generated by water power is used for operating the Third and Fourth locks on the American side and the Canadian lock.

The American locks are filled or emptied in about 9 minutes, and the gates opened in 1½ minutes. An up-lockage of a single boat has been made through the Poe Lock in 11 minutes, through the Third Lock in 13 minutes, and through the Fourth Lock in 11 minutes; but the average time spent in making a lockage last season was 34 minutes 5 seconds, this difference being due to the slow movement of the boats while entering and leaving the locks and to the fact that in nearly half of the lockages more than one boat was passed. Frequently as many as five boats were included in a single lockage.

The Canadian lock can be operated in about 10 minutes. The average time of lockage through the Canadian lock last season was 15 minutes and 46 seconds.

From 1855 to 1881 the canal was controlled by the State of Michigan and tolls were charged to cover operating and repair expenses, the rate at first being 6½ cents per registered ton, which was gradually reduced to 2½ cents. Similarly the minimum charge for lockage of a boat was reduced from \$5 to \$3. Since control was transferred to the United States in 1881, the American canal has been free for public use by all nations. Likewise the Canadian canal has not collected tolls for either foreign or domestic commerce.

The lock force under State control consisted of about 20 men having one watch only, as night navigation of the river was then impossible. Under United States control two watches, of 12 hours each, were established in 1881, and the same continued until 1891, when three watches of 8 hours each were organized. The force engaged in passing boats has been increased with the growth of commerce, the number now aggregating 120; in addition there are 15 others employed as watchmen, janitors, telephone boys, and laborers.

Expenditures for operating and care of St. Marys Falls Canal, Mich., by fiscal years

Year.	Operating.	Repairs.	Total.	Cost per freight ton.
				<i>Mills.</i>
1882.....	\$21,185.86	\$6,360.00	\$27,545.86	14.67
1883.....	22,134.97	14,200.80	36,335.77	19.38
1884.....	20,337.61	9,148.68	29,486.29	11.61
1885.....	18,635.27	10,429.25	29,064.52	10.12
1886.....	18,871.84	7,217.28	26,089.12	7.05
1887.....	18,887.11	2,945.44	21,832.55	4.47
1888.....	22,858.57	7,144.89	30,003.46	5.38
1889.....	23,987.45	6,616.16	30,603.61	4.41
1890.....	22,737.53	13,985.74	36,723.27	4.43
1891.....	24,657.27	10,303.52	44,960.79	5.39
1892.....	37,895.93	23,345.16	61,241.09	6.06
1893.....	34,402.15	7,425.92	41,828.07	3.86
1894.....	43,103.27	12,028.94	55,132.21	4.94
1895.....	39,063.20	11,472.41	50,535.61	3.71
1896.....	34,806.92	24,822.16	59,629.08	4.14
1897.....	46,750.02	32,457.13	79,207.15	6.70
1898.....	43,464.99	13,209.17	56,674.16	3.79
1899.....	65,142.64	23,858.24	89,000.88	4.69
1900.....	59,282.46	21,026.81	80,309.27	3.27
1901.....	59,457.05	16,102.29	75,559.34	3.60
1902.....	66,914.75	21,680.78	88,595.53	2.95
1903.....	62,648.42	20,297.67	82,946.09	2.62
1904.....	66,563.96	26,514.11	93,078.07	4.25
1905.....	64,423.96	20,998.96	85,422.92	2.48
1906.....	69,259.66	20,410.36	89,670.02	2.17
1907.....	68,162.42	21,664.84	89,827.26	2.00
1908.....	67,652.07	42,266.64	109,918.71	3.24
1909.....	68,963.78	37,550.48	106,514.26	3.25
1910.....	70,608.98	32,487.20	103,096.18	3.56
1911.....	70,968.97	78,657.04	149,626.01	6.33
1912.....	71,135.66	81,061.68	152,197.34	5.80
1913.....	70,024.71	81,723.72	151,748.43	4.17
1914.....	69,998.81	47,439.29	117,438.10	3.62
1915.....	77,087.18	36,518.76	113,605.94	3.13
1916.....	84,958.86	46,430.39	131,389.25	1.90
1917.....	88,798.60	33,066.16	121,864.76	1.72
1918.....	94,015.50	28,846.82	122,862.32	1.60
1919.....	116,161.57	33,504.16	149,665.73	2.00
1920.....	131,306.83	33,400.17	164,707.00	2.70

PORT OF SAULT STE. MARIE, MICH., ST. MARYS RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.
1920 ¹	163,821	\$2,572,669

¹ Previous years unknown.*Freight traffic, 1920.*

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Nonmetallic minerals.....			159,594	\$82,664	\$1,621,594	<i>Miles.</i> 500	<i>Mills.</i> 2
Coal, anthracite.....	5,701			1,538,930			
Coal, bituminous.....	153,893			324,000	324,000	500	2
Unclassified: General merchandise.....		1,440	1,440				
Total.....	159,594	1,440	161,034	1,945,594	1,945,594		
SHIPMENTS, INTERNAL.							
Unclassified: General merchandise.....		2,787	2,787	627,075	627,075	500	2
Total receipts and shipments, internal.....	159,594	4,227	163,821		2,572,669		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals.....	159,594	\$1,621,594			159,594	\$1,621,594
Unclassified.....	1,440	324,000	2,787	\$627,075	4,227	951,075
Total.....	161,034	1,945,594	2,787	627,075	163,821	2,572,669

Cargoes in transit, short tons, 79,282,496; value, \$1,119,774,214.

Cargoes in transit.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Vegetable food products, oil seeds, etc.:			Ores, metals and manufactures of:		
Barley.....	236,687	\$10,242,392	Copper.....	51,545	\$18,040,750
Oats.....	243,049	12,677,874	Iron ore.....	56,780,498	340,682,988
Rye.....	687,357	49,273,695	Pig iron.....	557	32,585
Wheat.....	4,303,695	315,604,271	Unclassified.....	75,637	6,807,330
Flour.....	747,753	85,991,630	Unclassified: General merchandise.....	556,110	125,124,750
Flax seed.....	68,812	6,283,844	Total.....	79,282,496	1,119,774,214
Wood: Unclassified.....	358,569	9,931,981			
Nonmetallic minerals:					
Coal, anthracite.....	2,059,266	22,651,926			
Coal, bituminous.....	12,096,993	96,775,944			
Oils.....	353,489	17,674,450			
Stone.....	563,271	985,724			
Salt.....	99,208	992,080			

MACKINAC HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910.....	17,429	\$2,614,350	(1)	1916.....	22,195	\$1,704,243	125,000
1911.....	12,297	1,844,550	(1)	1917.....	17,193	1,471,470	75,000
1912.....	22,407	1,922,938	(1)	1918.....	11,900	692,190	60,000
1913.....	24,959	2,389,434	(1)	1919.....	16,000	819,950	45,100
1914.....	19,911	1,706,100	(1)	1920.....	11,179	760,459	72,200
1915.....	17,217	1,482,605	102,000				

¹ No statistics available.

Total number of landings at dock.....	1,743
Total number of passengers to and from island.....	72,200
Total net registered tonnage of vessels.....	1,399,284
Increase in tonnage over that for 1919..... per cent..	84
Greatest draft of vessels arrived and departed in 1920..... feet..	18
New lines of transportation established.....	None.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
RECEIPTS.							
Nonmetallic minerals.....			7,198		\$63,784	<i>Miles.</i> <i>Mills.</i>	
Coal, anthracite.....	755			12,400		575 1.74	
Coal, Bituminous.....	6,423			51,384		420 2.14	
Unclassified: Miscellaneous merchandise.....		2,781	2,781	486,675	\$486,675		
Total.....	7,198	2,781	9,979		550,459		
SHIPMENTS.							
Unclassified: Miscellaneous merchandise.....		1,200	1,200	210,000	210,000		
Total receipts and shipments.			11,179		760,459		

¹ Approximate only. Impracticable to obtain information on other items.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Nonmetallic minerals.....	7,198	\$63,784			7,198	\$63,784
Unclassified.....	2,781	486,675	1,200	\$210,000	3,981	696,675
Total.....	9,979	550,459	1,200	210,000	11,179	760,459

CHEBOYGAN HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	281,294	(1)	1906.....	469,528	(1)
1891.....	245,831	(1)	1907.....	503,768	(1)
1892.....	344,555	(1)	1908.....	147,631	(1)
1893.....	441,087	(1)	1909.....	349,521	\$2,810,399
1894.....	303,900	(1)	1910.....	264,080	2,406,945
1895.....	326,930	(1)	1911.....	334,551	2,714,856
1896.....	525,373	(1)	1912.....	163,838	1,304,372
1897.....	340,302	(1)	1913.....	210,672	2,955,384
1898.....	700,998	(1)	1914.....	120,495	1,011,336
1899.....	504,903	(1)	1915.....	139,268	1,368,913
1900.....	103,773	(1)	1916.....	77,455	923,370
1901.....	414,498	(1)	1917.....	114,623	1,615,638
1902.....	439,784	(1)	1918.....	128,124	1,672,751
1903.....	292,947	(1)	1919.....	100,775	1,638,229
1904.....	131,276	(1)	1920.....	70,197	1,063,105
1905.....	533,359	(1)			

¹ No statistics available.

[Season of navigation: Opened Apr. 27; closed Dec. 10, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
RECEIPTS.							
Animals and animal products, except wool and hair: Fish.....		782	782	\$164,220	\$164,220	Miles. Mills.	
Nonmetallic minerals.....			56,840		575,135		
Coal, anthracite.....	1,347			20,205		556 1.80	
Coal, bituminous.....	55,493			554,930		350 2.57	
Unclassified: Miscellaneous merchandise.....		350	350	52,500	52,500		
Total.....	56,840	1,132	57,972		791,855		
SHIPMENTS.							
Vegetable food products, oil seeds, etc.: Hay.....		75	75	2,250	2,250		
Unclassified: Miscellaneous merchandise.....		1,100	1,100	165,000	165,000		
Total.....		1,175	1,175		167,250		
Total receipts and shipments..	56,840	2,307	59,147		959,105		

¹ Approximate only. Impracticable to obtain figures for other items.

ON LAKE FRONT ABOUT 1 MILE NORTH OF MOUTH OF CHEBOYGAN RIVER.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
RECEIPTS.							
Wood and paper: Logs.....	10,000		10,000	\$80,000	\$80,000	Miles. Miles.	
SHIPMENTS.							
Wood and paper: Lumber.....	1,050		1,050	24,000	24,000	196 16. 0.	
Total receipts and shipments..	11,050		11,050		104,000		

¹ Approximate only. Impracticable to obtain figures for other items.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	782	\$164,220			782	\$164,220
Vegetable food products, oil seeds, etc.....			75	\$2,250	75	2,250
Nonmetallic minerals.....	56,840	575,135			56,840	575,135
Unclassified.....	350	52,500	1,100	165,000	1,450	217,500
Total.....	57,972	791,855	1,175	167,250	59,147	959,105

ON LAKE FRONT ABOUT 1 MILE NORTH OF MOUTH OF CHEBOYGAN HARBOR.

Wood and paper.....	10,000	\$80,000	1,050	\$24,000	11,050	\$104,000
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Vessels arrived and departed, 1920.

Class.	Ameri- can.	Foreign.	Total.	Net regis- tered tonnage.
Registered:				
Steam.....	27	6	33	48,884
Sail and barge.....	.....	.....	.....	.....
Motor.....	2	124	126	1,528
Total.....	29	130	159	50,412

Increase of tonnage, 1920 over 1919, 18,395 tons.

Greatest draft of vessels arrived and departed, 1920, 18 feet.

Water transportation lines abandoned, Detroit & Cleveland Navigation Co.

ROGERS CITY, MICH.—CALCITE, MICH.

Comparative statement of traffic.

Year.	Rogers City, Mich.		Calcite, Mich.	
	Tons.	Value.	Tons.	Value.
1914.....	9,173	\$157,226	1,702,400	\$1,276,800
1915.....	9,415	334,450	2,600,000	2,080,000
1916.....	6,857	171,624	3,213,635	1,632,681
1917.....	4,137	216,831	4,188,285	2,564,142
1918.....	2,960	199,050	4,305,000	3,186,250
1919.....	2,450	185,600	4,501,820	2,826,423
1920.....	.....	.....	6,544,614	3,817,452

1126 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

[Season of navigation: Opened Apr. 17, 1920; closed Dec. 10, 1920.]

Freight traffic, 1920.

CALCITE, MICH.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹
	By commodities.	By classes.	By commodities.	By classes.		
EXPORTS.						
Nonmetallic minerals: Limestone.....	150,009	150,009	\$99,240	\$99,240	Miles. 444	Mills. 0.80

DOMESTIC.

RECEIPTS.						
Nonmetallic minerals.....		30,155		\$238,798		
Coal, anthracite.....	2,913			\$30,658	522	1.53
Coal, bituminous.....	27,242			208,140	315	2.38
Total	30,156	30,155		238,798		
SHIPMENTS.						
Nonmetallic minerals: Limestone.....	6,364,450	6,364,450	3,479,414	3,479,414	399	0.89
Total receipts and shipments	6,394,605	6,394,605		3,718,212		

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals...	150,009	\$99,240	30,155	\$238,798	6,364,450	\$3,479,414	6,544,614	\$3,817,452

¹ Approximate only. Impracticable to obtain figures for other items.

Vessels arrived and departed (Calcite), 1920.

Classes.	American.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steam.....	1,270	30	1,300	5,180,916
Sail and barge.....				
Motor.....	1		1	4
Total	1,271	30	1,301	5,180,920

Value of exports by water, \$62,779.

Greatest depth of vessels arrived and departed, 1920, Calcite, 22 feet.

ALPENA HARBOR, MICH.

Comparative statement of traffic.

Year.	Alpena Harbor.		On Bay Shore 2 miles north of river.	
	Tons.	Value.	Tons.	Value.
1892.....	337,379	()	()	()
1893.....	360,588	()	()	()
1894.....	465,991	()	()	()
1895.....	305,160	()	()	()
1896.....	349,754	()	()	()
1897.....	371,539	()	()	()
1898.....	296,375	()	()	()
1899.....	225,613	()	()	()
1900.....	315,355	()	()	()
1901.....	231,573	()	()	()
1902.....	253,414	()	()	()
1903.....	222,943	()	()	()
1904.....	202,103	()	()	()
1905.....	274,116	()	()	()
1906.....	249,426	()	()	()
1907.....	1,585,519	()	()	()
1908.....	269,798	()	()	()
1909.....	2,648,490	\$5,329,252	()	()
1910.....	2,801,264	4,847,039	()	()
1911.....	2,804,440	5,912,630	()	()
1912.....	2,942,283	6,672,878	()	()
1913.....	2,938,217	3,249,263	()	()
1914.....	2,141,412	3,604,806	()	()
1915.....	2,106,770	3,121,282	()	()
1916.....	87,054	871,625	555,474	\$1,638,327
1917.....	86,067	1,040,691	1,228,253	2,754,711
1918.....	79,480	943,150	1,222,250	3,183,575
1919.....	75,372	909,665	837,979	2,832,511
1920.....	37,455	882,409	1,083,534	4,014,332

1 No statistics available.

2 Includes commerce on Bay Shore 2 miles north of river.

(Season of navigation: Opened Apr. 14; closed Dec. 8, 1920.)

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
RECEIPTS.							
Animals and animal products, except wool and hair: Fish		265	265	\$66,250	\$66,250	Miles. Mills.	
Vegetable food products, oil seeds, etc.			40		2,167		
Feed		39		2,067			
Flour		1		100			
Wood and paper: Pulpwood	4,000		4,000	20,000	20,000	425 3.53	
Nonmetallic minerals			28,843		221,912		
Coal, anthracite	3,000			45,750		450 2.00	
Coal, bituminous	25,837			175,712		325 2.31	
Oil, gasoline		6		450			
Chemicals			20		2,800		
Sodium compounds		19		2,150			
Paint		1		750			
Unclassified: Miscellaneous merchandise		1,800	1,800	315,000	315,000		
Total	32,837	2,131	34,968		628,229		

¹ Approximate only. Impracticable to obtain figures for other items.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.		Value.		Average hauls.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
SHIPMENTS.							
Animals and animal products, except wool and hair: Fish.....		81	81	24,300	24,300	Miles.	
Vegetable food products, oil seeds, etc.: Feed.....		6	6	360	360		
Other vegetable products, except fibers and wood: Extracts (dye).....		5	5	400	400		
Nonmetallic minerals: Coal, anthracite.....	1,195		1,195	19,120	19,120		
Unclassified: Miscellaneous merchandise.....		1,200	1,200	210,000	210,000		
Total.....	1,195	1,292	2,487	254,180			
Total receipts and shipments	34,032	3,423	37,455	882,409			

On Bay Shore 2 miles north of river (Alpena).

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	package.					
RECEIPTS.							
Nonmetallic minerals: Coal, bituminous.....	153,326	.....	153,326	\$892,228	\$892,228	Miles. 342 Mills. 2.19
SHIPMENTS.							
Nonmetallic minerals.....			930,208		3,122,104		
Cement.....		162,563		2,162,548		337 3.86	
Limestone.....	767,645	.....		959,556		225 2.67
Total.....	767,645	162,563					
Total receipts and shipments.	920,971	162,563			4,014,332		

¹ Approximate only. Impracticable to obtain figures for other items.

SUMMARY FOR ALPENA HARBOR.

Classes and commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	265	\$66,250	81	\$24,300	346	\$90,550
Vegetable food products, oil, seeds, etc.....	40	2,167	6	360	46	2,527
Other vegetable products, except fibers and wood.....			5	400	5	400
Wood and paper.....	4,000	20,000			4,000	20,000
Nonmetallic minerals.....	28,843	221,912	1,195	19,120	30,038	241,032
Chemicals.....	20	2,900			20	2,900
Unclassified.....	1,800	315,000	1,200	210,000	3,000	525,000
Total.....	34,968	628,229	2,487	254,180	37,455	882,409

Vessels arrived and departed, 1920.

Classes.	Ameri- can.	Foreign.	Total.	Net registered tonnage.	Passen- gers.
Registered:					
Steam.....	520	.....	520	849,792	9,352
Motor.....	10	2	12	120	.....
Total.....	530	2	532	849,912	7,500

Increase of tonnage, 1920 over 1919, 472,362 tons.

Greatest draft of vessels in Alpena Harbor, arrived or departed in 1920, 18 feet.

No new lines of transportation established in 1920.

SAGINAW RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	1,625,369	(1)	1906.....	293,105	(1)
1891.....	1,629,150	(1)	1907.....	275,572	(1)
1892.....	1,521,105	(1)	1908.....	264,948	(1)
1893.....	1,720,461	(1)	1909.....	342,723	\$4,109,446
1894.....	1,108,307	(1)	1910.....	245,789	2,769,610
1895.....	738,897	(1)	1911.....	236,636	2,342,254
1896.....	711,602	(1)	1912.....	241,426	2,314,229
1897.....	1,350,820	(1)	1913.....	177,829	1,894,596
1898.....	1,491,452	(1)	1914.....	163,900	1,930,782
1899.....	1,040,176	(1)	1915.....	155,965	1,867,927
1900.....	885,080	(1)	1916.....	138,828	1,762,771
1901.....	1,945,033	(1)	1917.....	151,432	1,925,377
1902.....	1,119,029	(1)	1918.....	107,141	1,773,802
1903.....	377,778	(1)	1919.....	73,110	1,086,406
1904.....	277,076	(1)	1920.....	98,905	2,040,265
1905.....	241,387	(1)			

¹ No statistics available.

[Season of navigation: Opened Apr. 29, closed Dec. 2, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount.		Value.		Average haul.	Rate per ton-mile. ¹
	By commodities.	By classes.	By commodities.	By classes.		
IMPORTS.						
Wood and paper.....		61,220		\$1,338,522	Miles.	Mills.
Logs.....	15,000		\$150,000			
Lumber.....	46,220		1,188,522		223	14.80
Total.....		61,220		1,338,522		

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
RECEIPTS.							
Animals and animal products, except wool and hair: Fish.....		188	188	\$56,517	\$56,517	Miles. Miles.	
Wood and paper: Lumber.....	17,276		17,276	508,416	508,416	421 10.06	
Nonmetallic minerals.....			17,973		22,345		
Coal, anthracite.....	723			10,845		485 3.09	
Sand and gravel.....	17,250			11,500			
Unclassified: Miscellaneous, merchandise..		13	13	3,900	3,900		
Total.....	35,249	201	35,450		591,178		
SHIPMENTS.							
Wood and paper.....			2,235		110,565		
Lumber.....	1,168			36,698		445 9.64	
Pickets.....	1,067			73,867		228 5.06	
Total.....	2,235		2,235		110,565		
Total receipts and shipments.....	37,484	201	37,685		701,743		

¹ Approximate only. Impracticable to obtain figures for other items.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.				Total.	
			Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool, and hair.....			188	\$56,517			188	\$56,517
Wood and paper.....	61,220	\$1,338,522	17,276	508,416	2,235	\$110,565	80,731	1,957,503
Nonmetallic minerals.....			17,973	22,345			17,973	22,345
Unclassified.....			13	3,900			13	3,900
Total.....	61,220	1,338,522	35,450	591,178	2,235	110,565	98,905	2,040,265

Vessels arrived and departed, 1920.

Class.	American.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steam.....	77	19	96	41,551
Sail and barge.....	21	35	56	28,615
Total.....	98	54	152	70,166

No record of unregistered vessels.

Decrease of tonnage, 1920 under 1919.....	per cent..	12. 9
Amount of revenue collected, calendar year 1920, lake commerce.....		\$2, 028
Value of imports:		
By lake, free.....	\$901, 641	
By lake, dutiable.....	19, 870	
		\$921, 511
Value of exports: By lake.....		\$1, 532
Greatest draft of loaded vessels using waterway in 1920.....	feet..	16
Least draft of loaded vessels using waterway in 1920.....	feet..	10

HARBOR BEACH, MICH.—HARBOR OF REFUGE—LAKE HURON, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1913.....	11, 297	\$335, 223		1917.....	25, 794	\$430, 588	4, 050
1914.....	15, 780	321, 747		1918.....	21, 920	514, 414	3, 723
1915.....	18, 645	359, 909		1919.....	23, 156	711, 614	5, 014
1916.....	18, 979	457, 993		1920.....	21, 716	466, 492	2, 923

Vessels entered harbor for shelter.

Year.	Number.	Net registered tonnage.	Year.	Number.	Net registered tonnage.
1877.....	493	142, 619	1899.....	1, 254	692, 544
1878.....	781	243, 006	1900.....	1, 266	763, 004
1879.....	921	278, 926	1901.....	1, 338	912, 018
1880.....	1, 317	361, 592	1902.....	1, 349	893, 189
1881.....	1, 176	328, 460	1903.....	1, 081	780, 541
1882.....	1, 022	286, 703	1904.....	922	678, 923
1883.....	1, 139	323, 926	1905.....	1, 099	800, 241
1884.....	1, 142	314, 222	1906.....	954	771, 875
1885.....	1, 158	377, 397	1907.....	887	701, 618
1886.....	1, 304	370, 987	1908.....	703	622, 264
1887.....	1, 447	458, 094	1909.....	827	744, 985
1888.....	1, 624	513, 864	1910.....	960	722, 292
1889.....	1, 512	493, 537	1911.....	693	589, 145
1890.....	1, 575	533, 782	1912.....	615	571, 002
1891.....	1, 341	491, 060	1913.....	515	339, 758
1892.....	1, 441	554, 556	1914.....	359	213, 532
1893.....	992	378, 263	1915.....	391	255, 654
1894.....	1, 150	478, 506	1916.....	235	210, 398
1895.....	1, 204	550, 667	1917.....	293	223, 073
1896.....	1, 073	377, 046	1918.....	226	115, 860
1897.....	1, 205	479, 387	1919.....	218	143, 866
1898.....	1, 204	630, 896	1920.....	169	100, 741

1132 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

Summary of vessels sheltered in the harbor of refuge at Harbor Beach, Mich., during the calendar year 1920.

Wind direction and vessel classification.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
North:										
Steam.....			2	3	5		2	4		16
Tow.....					1		1			2
Gas.....		2	1		2	1	1			7
Total.....		2	3	3	8	1	4	4		25
Northwest:										
Steam.....		2	2	1	3	4	5	1	3	21
Tow.....			1		1		2			4
Gas.....				1						1
Total.....		2	3	2	4	4	7	1	3	26
West:										
Steam.....						1	2	2		5
Tow.....							1			1
Gas.....				1						1
Total.....				1		1	3	2		7
Southwest:										
Steam.....	3			1	1	2	2	5		14
Sail.....							1			1
Tow.....						2	1			3
Barge.....				2	2	2	3			9
Total.....	3			3	3	6	7	5		27
South:										
Steam.....			1		1	1	1	2	1	7
Tow.....								1		1
Barge.....			1	1						2
Total.....			2	1	1	1	1	3	1	10
Southeast:										
Steam.....		3	1	4	4		4	4		20
Sail.....		1								1
Tow.....							7	2		9
Gas.....				3	3	3				9
Total.....		4	1	7	7	3	11	6		39
East:										
Steam.....				1	1			5		7
Sail.....					1					1
Gas.....			3	1	1					5
Total.....			3	2	3			5		13
Northeast:										
Steam.....		1	5	1	1	2				10
Tow.....			2			1				3
Gas.....			2		4	3				9
Total.....		1	9	1	5	6				22
Monthly total:										
Steam.....	3	6	11	11	16	10	16	23	4	100
Sail.....		1			1		1			3
Tow.....			3		2	3	12	3		21
Gas.....		2	7	9	12	9	4			43
Total.....	3	9	21	20	31	22	33	26	4	169

Classified table of tonnage, by months, sheltered in the harbor of refuge at Harbor Beach, Mich., during the calendar year, 1920.

Months.	Steam.		Sail.		Tow.		Gas.		Total.	
	Num-ber.	Tons.	Num-ber.	Tons.	Num-ber.	Tons.	Num-ber.	Tons.	Num-ber.	Tons.
April.....	3	241							3	241
May.....	6	766	1	230			2	87	9	1,053
June.....	11	3,324			3	1,767	7	230	21	5,321
July.....	11	3,528					9	212	20	3,740
August.....	16	5,401	1	11	2	4,676	12	275	31	10,363
September.....	10	5,069			3	3,458	9	179	22	8,706
October.....	16	19,948	1	230	12	12,496	4	143	33	32,807
November.....	23	30,191			3	3,210			26	33,401
December.....	4	5,082							4	5,482
Total.....	100	73,550	3	471	23	25,597	43	1,126	169	100,744

[Season of navigation: Opened Mar. 20, closed Dec. 21, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
RECEIPTS.							
Animals and animal products, except wool and hair.....			180		\$53,925	Miles. Mills.	
Horses.....		4		\$1,200			
Fish.....		176		52,725			
Vegetable food products, oil seeds, etc.....			75		24,892		
Groceries and provisions.....		58		23,005			
Beverages.....		17		1,887			
Textiles: Dry goods.....		16	16	40,550	40,550		
Wood and paper.....			65		13,570		
Household goods.....		60		12,150			
Paper.....		5		1,420			
Nonmetallic minerals.....			20,803		151,693		
Bricks, building.....		16		1,935			
Oil, lubricating.....		12		5,720			
Gravel.....	3,782			4,515		60 1.52	
Coal, bituminous.....	16,681			133,448		276 2.72	
Cement.....		332		6,075		97	
Ores, metals, and manufactures of, except machinery and vehicles:							
Hardware.....		50	50	8,870	8,870		
Machinery and vehicles.....			91		65,409		
Farm machinery.....		43		8,620			
Automobiles.....		48		56,789			
Chemicals.....			24		7,050		
Sodium compounds.....		22		4,725			
Drugs.....		2		2,325			
Unclassified: Miscellaneous, merchandise.....		18	18	5,400	5,400		
Total.....	20,443	879	21,322		371,359		
SHIPMENTS.							
Animals and animal products, except wool and hair.....			114		35,635		
Horses.....		23		7,675			
Fish.....		59		17,430		124 9.48	
Hides.....		7		740			
Eggs.....		25		9,790			

¹ Approximate only. Impracticable to obtain figures for other items.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
SHIPMENTS—continued.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			210		\$25, 200	Miles. Mills.	
Macaroni.....		14		\$3, 636		124 4. 91	
Starch.....		64		8, 646		124 4. 97	
Feed.....		39		2, 368		124 3. 82	
Grain.....		61		4, 880		183 2. 68	
Potatoes.....		17		4, 150		124 4. 61	
Beans.....		15		1, 620		124 2. 43	
Wood and paper: Furniture.....		10	10	3, 500	3, 500		
Ores, metals, and manufactures of, except machinery and vehicles:							
Manufactured steel.....		14	14	2, 958	2, 958		
Machinery and vehicles: Automobiles.....		16	16	18, 840	18, 840		
Unclassified: Miscellaneous, merchandise.....		30	30	9, 000	9, 000		
Total.....		394	394		95, 133		
Total receipts and shipments.	20, 443	1, 273	21, 716		466, 492		

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	180	\$53, 925	114	\$35, 635	294	\$89, 560
Vegetable food products, oil seeds, etc.....	75	24, 892	210	25, 200	285	50, 092
Textiles.....	16	40, 560			16	40, 560
Wood and paper.....	65	13, 570	10	3, 500	75	17, 070
Nonmetallic minerals.....	20, 803	151, 693			20, 803	151, 693
Ores, metals, and manufactures of, except machinery and vehicles.....	50	8, 870	14	2, 958	64	11, 828
Machinery and vehicles.....	91	65, 409	16	18, 840	107	84, 249
Chemicals.....	24	7, 050			24	7, 050
Unclassified.....	18	5, 400	30	9, 000	48	14, 400
Total.....	21, 322	371, 359	394	95, 133	21, 716	466, 492

Vessels entered and departed, 1920.

Classes.	American.	Net registered tonnage.	Passengers.
Registered: Steam.....	679	222, 316	2, 923

No record of unregistered vessels.

Decrease of tonnage, 1920 under 1919.....per cent.. 18. 9
 Greatest draft of vessels arrived or departed in 1919.....feet.. 13

BLACK RIVER AND ST. CLAIR RIVER AT PORT HURON, MICH.

Comparative statement of traffic.

BLACK RIVER.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	68,288	(1)	1906.....	135,665	(1)
1891.....	89,885	(1)	1907.....	168,152	(1)
1892.....	128,129	(1)	1908.....	129,240	(1)
1893.....	182,568	(1)	1909.....	118,122	\$399,878
1894.....	120,948	(1)	1910.....	113,322	367,417
1895.....	111,675	(1)	1911.....	115,182	498,536
1896.....	189,556	(1)	1912.....	114,443	437,821
1897.....	98,380	(1)	1913.....	105,191	534,298
1898.....	168,201	(1)	1914.....	123,673	504,825
1899.....	168,043	(1)	1915.....	126,890	796,846
1900.....	106,112	(1)	1916.....	117,790	377,718
1901.....	120,118	(1)	1917.....	80,006	371,969
1902.....	126,277	(1)	1918.....	137,277	1,024,322
1903.....	163,265	(1)	1919.....	87,062	765,080
1904.....	197,044	(1)	1920.....	86,424	539,400
1905.....	169,200	(1)			

ST. CLAIR RIVER.

1919.....	186,169	3,406,116	1920.....	188,490	1,931,622
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¹ No statistics available.

[Season of navigation: Opened Apr. 11; closed Dec. 29, 1920.]

Freight traffic, 1920.

BLACK RIVER, MICH.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹
	By commodities.	By classes.	By commodities.	By classes.		
IMPORTS.						
Wood and paper.....		23,912		\$145,476	Miles.	Mills.
Lumber.....	70		\$2,424			
Pulp wood.....	23,842		143,052		554	5.42
Total.....		23,912		145,476		

DOMESTIC.

RECEIPTS.						
Nonmetallic minerals.....		62,512		\$393,924		
Coal, anthracite.....	1,832		21,089		324	4.23
Coal, bituminous.....	47,930		364,335		138	7.54
Sand and gravel.....	12,750		8,500			
Total.....		62,512		393,924		

¹ Approximate only. Impracticable to obtain figures for other items.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic receipts.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	23,912	\$145,476			23,912	\$145,476
Nonmetallic minerals.....			62,512	\$393,924	62,512	393,924
Total.....	23,912	145,476	62,512	393,924	86,424	539,400

Freight traffic, 1920—Continued.

ST. CLAIR RIVER, MICH.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
RECEIPTS.							
Animals and animal products, except wool and hair: Fish.....		5	5	\$1,500	\$1,500	Miles. Mills.	
Nonmetallic minerals.....			127,350		843,489		
Coal, bituminous.....	102,650			790,869		120 6.67	
Cement.....		2,200		37,620		155 3.23	
Sand and gravel.....	22,500			15,000			
Unclassified: Miscellaneous merchandise.....		6,500	6,500	390,000	390,000		
Total.....	125,150	8,705	133,855		1,234,989		
SHIPMENTS.							
Nonmetallic minerals: Salt.....		50,617	50,617	455,553	455,553	630 2.07	
Unclassified: Miscellaneous merchandise.....		4,018	4,018	241,080	241,080		
Total.....		54,635	54,635		696,633		
Total receipts and shipments.	125,150	63,340	188,490		1,931,622		

¹ Approximate only. Impracticable to obtain figures for other items.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	5	\$1,500			5	\$1,500
Nonmetallic minerals.....	127,350	843,489	50,617	455,553	177,967	1,299,042
Unclassified.....	6,500	390,000	4,018	241,080	10,518	631,080
Total.....	133,855	1,234,989	54,635	696,633	188,490	1,931,622

Vessels arrived and departed, 1920.

Class.	American.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steam.....	515	52	567	368,550
Sail and barge.....	10		10	6,172
Motor.....				
Total.....	525	52	577	374,722

No record of unregistered vessels.

There was also a line of ferry steamers making about half-hourly trips across St. Clair River and entering Black River, which carried about 812,000 passengers during 1920.

Amount of revenue collected, calendar year 1920, lake commerce	\$4,768
Value of imports by water, free.....	\$272,500
Enrolled tonnage port of Port Huron.....	55,112 gross tons..
Greatest draft of vessels in Black River arrived or departed, 1920....feet..	16.5

ST. CLAIR RIVER.

No report of commerce passing through this river has been kept. It is probably somewhat greater than that passing through the channels in Lake St. Clair. See "Channels in Lake St. Clair."

CHANNELS IN LAKE ST. CLAIR, MICH.

The records show that 3,529,688 registered tons using the Detroit River did not pass through the St. Clair Flats Canal. Subtracting this amount from the total shown for the Detroit River leaves for the registered tonnage passing through the St. Clair Flats Canal 55,508,552 tons. Applying to this figure the same percentage of increase—36.2 per cent—used in the Detroit River statistics gives for the estimated actual freight carried through the canal 75,602,648 tons, and using the Detroit River unit value—\$14.12 per ton—gives as the value of this actual freight \$1,067,509,390.

ST. CLAIR FLATS CANAL, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891.....	22,160,000	(¹)	1909.....	62,895,134	(¹)
1898.....	35,000,000	(¹)	1910.....	68,965,947	\$723,452,784
1899.....	40,000,000	(¹)	1911.....	61,498,484	684,482,579
1900.....	42,000,000	(¹)	1912.....	72,871,132	795,756,037
1901.....	48,000,000	(¹)	1913.....	78,857,492	856,392,403
1902.....	41,773,998	(¹)	1914.....	63,799,286	731,139,818
1903.....	42,000,000	(¹)	1915.....	76,990,239	953,139,159
1904.....	38,044,929	\$403,276,247	1916.....	95,370,752	1,010,929,971
1905.....	51,359,071	483,802,449	1917.....	88,738,138	1,182,883,379
1906.....	60,589,441	629,524,292	1918.....	82,979,184	955,920,199
1907.....	66,271,962	648,802,508	1919.....	50,630,134	924,045,923
1908.....	50,586,560	(¹)	1920.....	75,602,648	1,067,509,390

¹ No statistics available.

CLINTON RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1896.....	31,159	(¹)	1909.....	26,402	\$109,406
1897.....	29,077	(¹)	1910.....	11,114	67,575
1898.....	29,085	(¹)	1911.....	12,449	72,854
1899.....	35,525	(¹)	1912.....	10,771	41,998
1900.....	32,701	(¹)	1913.....	22,683	40,256
1901.....	36,925	(¹)	1914.....	14,108	40,872
1902.....	33,868	(¹)	1915.....	14,352	31,777
1903.....	28,411	(¹)	1916.....	10,946	29,017
1904.....	23,135	(¹)	1917.....	10,778	108,926
1905.....	42,299	(¹)	1918.....	11,615	120,890
1906.....	25,900	(¹)	1919.....	15,342	22,710
1907.....	24,306	(¹)	1920.....	(²)	(¹)
1908.....	27,867	(¹)			

¹ No statistics available.

² No commerce.

DETROIT, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1920 ¹	1,665,159	\$92,148,037	13,167,000

¹ No prior reports submitted.

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹
	By commodities.	By classes.	By commodities.	By classes.		
IMPORTS.						
Vegetable food products, oil seeds, etc.: Wheat.....	7,493	7,493	\$624,482	\$624,482	Miles. 605	Miles. 1.10
Wood and paper: Lumber.....	8,152	8,152	232,916	232,916	367	8.55
Total.....		15,645		857,398		

¹ Approximate only. Impracticable to obtain figures for other items.

DOMESTIC, 1920.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile. ¹
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
RECEIPTS.							
Animals and animal products, except wool and hair: Poultry, game, and fish.....		353	353	\$106,900	\$106,900	Miles.	Miles.
Vegetable food products, oil seeds, etc.....			15,556		2,765,702		
Flour.....		2,742		1,425,840		634	1.06
Wheat.....	6,242			520,202			
Fruit.....		271		20,325			
Vegetables.....		1,081		54,050			
Farm products.....		2,569		321,125			
Sugar.....		2,651		424,160			
Other vegetable products, except fibers and wood: Rubber goods.....		2,385	2,385	190,800	1,908,000		
Wood and paper.....			920		142,517		
Lumber.....		242		6,917		545	7.34
Paper.....		678		135,600			
Nonmetallic minerals.....			1,317,389		2,921,990		
Cement.....		53,076		1,117,388			
Coal, bituminous.....	12,809			64,045		83	8.67
Limestone.....	392,146			392,146			
Petroleum and gasoline.....		1,942		776,800			
Sand and gravel.....	857,416			571,611			
Ores, metals, and manufactures of, etc.....			7,408		1,463,210		
Copper.....	4,108			1,232,210			
Iron pipe.....		3,300		231,000			
Machinery and vehicles: Automobile bodies, etc.....		166	166	166,000	166,000		
Unclassified: Miscellaneous merchandise.....		155,100	155,100	34,897,500	34,897,500		
Total.....	1,272,721	226,556	1,499,277		44,370,819		

¹ Approximate only. Impracticable to obtain figures for other items.

Freight traffic, 1920—Continued.

DOMESTIC, 1920—Continued.

Classes of commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
SHIPMENTS.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			527		\$265,130	Miles. Mills.	
Beverages.....		27		\$5,130			
Flour.....		500		260,000			
Other vegetable products, except fibers and wood: Drugs.....		1,500	1,500	600,000	600,000		
Textiles: Dry goods.....		2,802	2,802	1,120,800	1,120,800		
Wood and paper: Furniture, etc.....		351	351	105,300	105,300		
Ores, metals, and manufactures of, etc.: Structural steel, etc.....		3,053	3,053	274,770	274,770		
Machinery and vehicles.....			21,612		18,800,800		
Machinery.....		1,000		250,000			
Automobiles.....		20,612		18,560,800			
Chemicals: Saline compounds.....		8,092	8,092	485,520	485,520		
Unclassified: Miscellaneous merchandise.....		112,300	112,300	25,267,500	25,267,500		
Total.....		150,237	150,237		46,919,820		
Total receipts and shipments.....	1,272,721	376,793	1,649,514		91,290,639		

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.				Total.	
	Tons.	Value.	Receipts.		Shipments.		Tons.	Value.
			Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....			353	105,900			353	\$105,900
Vegetable food products, oil seeds, expressed oils, and beverages.....	7,493	624,482	15,556	2,765,702	527	\$265,130	23,576	3,655,314
Other vegetable products, except fibers and wood.....			2,385	1,908,000	1,500	600,000	3,885	2,508,000
Textiles.....					2,802	1,120,800	2,802	1,120,800
Wood and paper.....	8,152	232,916	920	142,517	351	105,300	9,423	480,733
Nonmetallic minerals.....			1,317,389	2,921,990			1,317,389	2,921,990
Ores, metals, and manufactures of, except machinery and vehicles.....			7,408	1,463,210	3,053	274,770	10,461	1,737,980
Machinery and vehicles.....			166	166,000	21,612	18,800,800	21,778	18,966,800
Unclassified.....			155,100	34,897,500	112,300	25,267,500	267,400	60,165,000
Chemicals.....					8,092	485,520	8,092	485,520
Total.....	15,645	857,398	1,499,277	44,370,819	150,237	46,919,820	1,665,159	92,148,037

[Season of navigation: Opened Mar. 15; closed Dec. 28, 1920.]

Vessels arrived and departed, 1920.

Classes.	Ameri- can.	Foreign.	Total.	Net regis- tered ton- nage.	Passengers.
Registered:					
Steam.....	3,765	323	4,088	3,288,345	13,167,000
Sail and barge.....	288	87	375	156,836	.....
Total.....	4,053	410	4,463	3,445,181	13,167,000

At Detroit, Mich., there are two lines of passenger ferry steamers crossing the river each at about 15-minute intervals, and there are few lines of passenger steamers which make Detroit a regular port of call. During 1920 the approximate number of passengers carried, as stated in above table, was as follows:

Ferry steamers crossing river.....	9,897,000
Excursions to near-by resorts.....	1,920,000
Regular travel to other ports.....	1,350,000
Total.....	13,167,000

DETROIT RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	21,684,000	(1)	1906.....	63,808,571	\$662,971,053
1891.....	23,209,619	(1)	1907.....	71,226,895	697,311,302
1892.....	26,553,819	(1)	1908.....	54,086,750	614,425,490
1893.....	23,091,889	(1)	1909.....	67,789,369	732,803,079
1894.....	24,263,868	(1)	1910.....	73,526,602	771,294,055
1895.....	25,845,679	(1)	1911.....	66,951,231	745,167,201
1896.....	27,900,520	(1)	1912.....	78,671,208	859,089,591
1897.....	35,000,000	(1)	1913.....	85,376,705	927,191,016
1898.....	35,000,000	(1)	1914.....	69,810,853	800,032,275
1899.....	40,000,000	(1)	1915.....	82,514,457	1,021,528,978
1900.....	42,000,000	(1)	1916.....	100,907,279	1,069,617,157
1901.....	48,000,000	(1)	1917.....	95,243,119	1,269,580,776
1902.....	44,280,506	\$440,834,640	1918.....	88,855,520	1,023,615,500
1903.....	46,817,245	471,917,830	1919.....	73,091,328	979,423,795
1904.....	42,800,000	453,598,656	1920.....	80,410,082	1,135,390,357
1905.....	55,508,366	522,888,751			

1 No statistics available. •

Freight traffic, 1920.

The actual freight, in tons, that is carried through the Detroit River can be closely estimated by comparison with the tonnage of St. Marys Falls Canal, where records of both net registered and actual freight are kept. During the season of 1920 the actual freight passing St. Marys Falls Canal was 36.2 per cent greater than the net registered tonnage. Since about three-fourths of the Detroit River tonnage is St. Marys Falls Canal tonnage, there is no error in assuming that the ratio for this three-fourths is the same for the Detroit River as for St. Marys Falls Canal, and it is reasonable to suppose that the ratio between the registered and freight tonnage of the remaining one-fourth is also the same as that for St. Marys Falls Canal. Therefore, increasing the registered tonnage by 36.2 per cent, the estimated actual freight of Detroit River is 80,410,082 short tons.

The average value of the freight passing St. Marys Falls Canal during the season of 1920 was found to be \$14.12 per ton. Assuming this unit value for Detroit River commerce, the total estimated value of the actual freight passing Detroit River during the season of 1920 would be \$1,135,390,357.

ROUGE RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893.....	73,732	(1)	1907.....	253,544	(1)
1894.....	47,106	(1)	1908.....	267,746	(1)
1895.....	114,090	(1)	1909.....	336,022	(1)
1896.....	123,495	(1)	1910.....	661,902	(1)
1897.....	125,373	(1)	1911.....	951,309	\$3,216,515
1898.....	127,745	(1)	1912.....	1,321,098	3,422,994
1899.....	93,394	(1)	1913.....	1,684,742	4,401,466
1900.....	124,312	(1)	1914.....	1,439,932	3,301,782
1901.....	106,215	(1)	1915.....	1,651,823	3,759,224
1902.....	66,701	(1)	1916.....	1,415,550	5,229,589
1903.....	136,272	(1)	1917.....	1,954,470	7,232,039
1904.....	249,259	(1)	1918.....	1,850,391	8,851,731
1905.....	284,140	(1)	1919.....	996,825	4,006,565
1906.....	234,861	(1)	1920.....	1,632,024	8,091,480

¹ No statistics available.*Freight traffic, 1920.*

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹
	By commodities.	By classes.	By commodities.	By classes.		
IMPORTS.					<i>Miles.</i>	<i>Mills.</i>
Wood and paper.....		15,595		\$175,277		
Lumber.....	3,463		\$90,353		313	12.04
Pulp wood.....	12,132		54,924		416	12.02
Nonmetallic minerals: Trap rock.....	4,737	4,737	7,105	7,105	300	
Total imports.....		20,332		182,382		
EXPORTS.						
Nonmetallic minerals: Coke.....	2,200	2,200	30,800	30,800	606	1.23
Machinery and vehicles: Tractors.....	2,133	2,133	1,169,600	1,169,600		
Total exports.....		4,333		1,200,400		
Total imports and exports.....		24,665		1,382,782		

¹ Approximate only; impracticable to obtain figures for other items.

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.							
Wood and paper.....			25, 103		\$544, 247	Miles.	Miles.
Lumber.....	19, 603			\$494, 006		426	8.99
Pulp wood.....	4, 908			34, 256		389	6.43
Ties, cedar.....	490			7, 105		64	
Lath.....	112			8, 680		370	
Nonmetallic minerals.....			669, 969		984, 692		
Coal, bituminous.....	4, 700			37, 600			
Stone flux.....	438, 891			460, 836		261	.98
Sand and gravel.....	220, 164			146, 776			
Cement.....		834		16, 680		70	
Clay pipe.....	5, 380			322, 800		88	
Ores, metals, etc.: Iron ore.....	910, 987		910, 987	5, 128, 334	5, 128, 334	698	1.50
Total.....	1, 605, 225	834	1, 606, 059		6, 657, 273		
SHIPMENTS.							
Chemicals: Sodas and sodium compounds.....		1, 300	1, 300	51, 425	51, 425	726	4.41
Total receipts and shipments.....	1, 605, 225	2, 134	1, 607, 359		6, 708, 698		

¹ Approximate only; impracticable to obtain figures for other items.

SUMMARY.

Classes and commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Wood and paper.....	15, 595	\$175, 277			25, 103	\$544, 247			40, 698	\$719, 524
Nonmetallic minerals.....	4, 737	7, 105	2, 200	\$30, 800	669, 969	984, 692			676, 906	1, 022, 597
Ores, metals, etc.....					910, 987	5, 128, 334			910, 987	5, 128, 334
Machinery and vehicles.....			2, 133	1, 169, 600					2, 133	1, 169, 600
Chemicals.....							1, 300	\$51, 425	1, 300	51, 425
Total.....	20, 332	182, 382	4, 333	1, 200, 400	1, 606, 059	6, 657, 273	1, 300	51, 425	1, 632, 024	8, 091, 480

[Season of navigation: Opened Mar. 15, 1921; closed Dec. 28, 1920.]

Vessels arrived and departed.

Class.	American.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steam.....	1, 488	3	1, 491	702, 855
Sail and barge.....	266	19	285	96, 152
Motor.....	516		516	6, 090
Total.....	2, 270	22	2, 292	805, 097

No record of unregistered vessels.

Increase of tonnage, 1920 over 1919.....tons.. 176, 937
 Greatest draft of vessels arrived or departed in 1920.....feet.. 21

MONROE, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1897.....	1,735	(1)	1909.....	12,134	\$82,479
1898.....	3,884	(1)	1910.....	5,808	105,650
1899.....	4,775	(1)	1911.....	5,846	125,670
1900.....	6,508	(1)	1912.....	6,751	35,210
1901.....	3,785	(1)	1913.....	2,155	81,838
1902.....	872	(1)	1914.....	2,350	58,025
1903.....	7,725	(1)	1915.....	8,490	110,000
1904.....	6,259	(1)	1916.....	9,110	91,350
1905.....	16,177	(1)	1917.....	7,860	25,400
1906.....	11,388	(1)	1918.....	282	35,750
1907.....	6,857	(1)	1919 ¹		
1908.....	9,150	(1)	1920 ²		

¹ No statistics available.² No commerce.

TOLEDO HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891.....	1,426,274	(1)	(1)	1906.....	4,522,280	(1)	(1)
1892.....	1,764,003	(1)	(1)	1907.....	5,077,875	(1)	(1)
1893.....	1,226,766	(1)	(1)	1908.....	3,994,246	\$14,560,300	(1)
1894.....	2,094,933	(1)	(1)	1909.....	5,284,715	16,662,325	(1)
1895.....	2,037,500	(1)	(1)	1910.....	6,520,392	20,867,623	(1)
1896.....	2,154,728	(1)	(1)	1911.....	6,407,878	19,017,281	(1)
1897.....	2,409,594	(1)	(1)	1912.....	6,938,354	25,280,674	(1)
1898.....	2,383,655	(1)	(1)	1913.....	7,510,634	25,355,100	424,479
1899.....	2,543,669	(1)	(1)	1914.....	7,166,172	22,826,168	195,552
1900.....	2,998,456	(1)	(1)	1915.....	7,416,834	33,953,807	236,895
1901.....	3,080,364	(1)	(1)	1916.....	10,335,530	40,931,248	297,145
1902.....	3,896,772	(1)	(1)	1917.....	13,710,238	80,318,986	324,176
1903.....	3,532,514	(1)	(1)	1918.....	13,769,388	86,990,512	211,335
1904.....	3,115,019	(1)	(1)	1919.....	10,130,014	60,866,644	395,009
1905.....	3,613,389	(1)	(1)	1920.....	10,904,293	75,957,116	132,144

¹ No statistics available.*Freight traffic, 1920.*

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹
	By commodities.	By classes.	By commodities.	By classes.		
IMPORTS.						
Vegetable food products, oil seeds, etc.		49,821		\$4,038,763	Miles.	Mills.
Rye.....	2,543		\$190,728		659	2.03
Wheat.....	47,278		3,848,035		659	3.28
Wood and paper.....		8,340		265,104		
Ties, cedar.....	700		6,996		390	
Posts, cedar.....	270		1,890		395	
Lumber.....	6,747		226,879		394	8.08
Lath.....	424		14,971		350	13.60
Paper (printing).....	199		14,368		54	
Nonmetallic minerals: Sand and gravel..	500	500	250	250		
Total.....		58,661		4,304,117		

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
EXPORTS.						
Nonmetallic minerals.....		1,560,395		\$11,879,006	Miles.	Mills.
Coal, bituminous (cargo).....	1,435,923		\$8,797,991		406	1.27
Coal, bituminous (bunker).....	36,102		200,712			
Petroleum, crude.....	41,500		1,088,260		110	8.66
Oil, gasoline.....	11,925		807,177		291	11.19
Oil, fuel.....	29,193		778,479		392	11.02
Oil, kerosene.....	5,752		206,387		410	10.45
Total.....		1,560,395		11,879,006		
Total imports and exports.....		1,619,056		16,183,123		

¹ Approximate only; impracticable to obtain figures for other items.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile. ¹
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS.							
Animals and animal products, except wool and hair: Fish	412		412	\$79,170	\$79,170.	Miles.	Mills.
Vegetable food products, oil seeds, etc			12,326		1,051,667		
Wheat	3,450			287,453		689	3.14
Flaxseed	8,876			764,214		782	2.73
Wool and paper			8,528		236,183		
Ties, cedar	283			2,836		379	
Poles, cedar	147			3,670		345	
Posts, cedar	247			3,711		494	
Lumber	7,851			225,966		782	5.30
Nonmetallic minerals			329,696		212,774		
Sand (copper)	9,255			46,275		600	3.12
Sand and gravel	312,575			125,030			
Cement		1,754		36,012		275	5.36
Limestone	6,112			5,457		310	1.61
Ores, metals, etc.: Iron ore	2,982,102		2,982,102	15,336,530	15,336,530	681	1.36
Unclassified: Miscellaneous merchandise		8,035	8,035	2,410,500	2,410,500		
Total	3,331,310	9,789	3,341,099		19,326,824		
SHIPMENTS.							
Nonmetallic minerals			5,934,411		36,706,799		
Coal, bituminous (cargo)	5,722,398			34,906,628		675	0.83
Coal, bituminous (bunker)	201,526			1,511,445			
Oil, gasoline (bunker)		10,487		288,726			
Machinery and vehicles: Auto- mobiles		1,482	1,482	1,266,870	1,266,870	256	
Unclassified: Miscellaneous merchandise		8,245	8,245	2,473,500	2,473,500		
Total shipments	5,923,924	20,214	5,944,138		40,447,169		
Total receipts and ship- ments	9,255,234	30,003	9,285,237		59,773,993		

¹ Approximate only; impracticable to obtain figures for other items.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	49,821	\$4,038,763		
Vegetable food products, oil seeds, etc.	8,340	268,104		
Wood and paper.....	500	250	1,560,395	\$11,879,006
Nonmetallic minerals.....				
Ores, metals, etc.....				
Machinery and vehicles.....				
Unclassified.....				
Total.....	58,661	4,304,117	1,560,395	11,879,006

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	412	\$79,170			412	\$79,170
Vegetable food products, oil, seeds, etc.....	12,326	1,061,667			62,147	5,090,430
Wood and paper.....	8,528	236,183			16,868	501,287
Nonmetallic minerals.....	329,696	212,774	5,934,411	\$36,706,799	7,825,002	48,798,829
Ores, metals, etc.....	2,982,102	15,336,530			2,982,102	15,336,530
Machinery and vehicles.....			1,482	1,266,870	1,482	1,266,870
Unclassified.....	8,035	2,410,500	8,245	2,473,500	16,280	4,884,000
Total.....	3,341,099	19,326,824	5,944,138	40,447,169	10,904,293	75,957,116

[Season of navigation: Opened Mar. 22, 1920; closed Dec. 18, 1920.]

Vessels arrived and departed.

Classes.	Ameri- can.	Foreign.	Total.	Net regis- tered ton- nage.	Passen- gers.
Registered:					
Steam.....	5,585	208	5,793	9,427,068	132,144
Sail and barge.....	579	120	699	677,627	
Motor.....	619		619	4,844	
Total.....	6,783	328	7,111	10,109,539	132,144

No record of unregistered vessels.

Decrease of tonnage, 1920 under 1919.....	tons..	91,617
Amount of revenue collected, calendar year 1920, lake commerce.....		\$949
Value of imports, by lake, free.....		\$4,304,117
Value of exports, lake.....		\$11,879,006
Enrolled tonnage, port of Toledo.....	gross tons..	6,748
Greatest draft of vessels arrived or departed in 1920.....	feet..	21

BUFFALO, N. Y., DISTRICT.

PORT CLINTON HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891.....	7,775	(1)	(1)	1906.....	11,930	(1)	(1)
1892.....	29,484	(1)	(1)	1907.....	10,851	(1)	(1)
1893.....	No report.	(1)	(1)	1908.....	13,048	\$257,400	(1)
1894.....	7,961	(1)	(1)	1909.....	8,174	243,185	(1)
1895.....	6,641	(1)	(1)	1910.....	10,777	324,340	(1)
1896.....	3,275	(1)	(1)	1911.....	8,062	233,546	(1)
1897.....	6,226	(1)	(1)	1912.....	7,927	173,386	(1)
1898.....	4,177	(1)	(1)	1913.....	6,413	208,558	(1)
1899.....	5,135	(1)	(1)	1914.....	6,645	222,735	4,283
1900.....	8,730	(1)	(1)	1915.....	9,009	162,796	2,000
1901.....	9,629	(1)	(1)	1916.....	10,525	233,523	2,000
1902.....	11,613	(1)	(1)	1917.....	2,824	133,192	3,528
1903.....	6,649	(1)	(1)	1918.....	1,372	205,550	4,970
1904.....	6,535	(1)	(1)	1919.....	5,577	197,221	9,780
1905.....	13,382	(1)	(1)	1920.....	16,934	399,771	7,270

¹ No statistics available.

The increase in freight traffic in 1920 over 1919 was due to the establishment of a new vessel line in the plaster trade between Port Clinton and the ports of Detroit, Mich., and Cleveland, Ohio.

[Navigation season: Opened Mar. 20, 1920; closed Dec. 10, 1920.]

Freight traffic, 1920.

FOREIGN.

Imports: None.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals: Plaster.....	195	195	\$3,081	\$3,081

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL.						
Animals and animal products, except wool and hair: Fresh fish.....		1,271	1,271	\$203,360	\$203,360	Miles. 20
Nonmetallic minerals: Lake sand.....	3,000		3,000	1,800	1,800	
Unclassified: Cement sacks.....		20	20	6,000	6,000	70
Total.....	3,000	1,291	4,291		211,160	
SHIPMENTS, INTERNAL.						
Vegetable food products: Peaches.....		85	85	7,820	7,820	70
Nonmetallic minerals.....			12,363		177,710	
Plaster.....		11,361		170,259		
Bituminous coal:						
Bunker.....	630			4,586		
Cargo.....	320			2,330		
Hard coal.....	52			535		
Total.....	1,002	11,446	12,448		185,530	
Total receipts and shipments.....	4,002	12,737	16,739		396,690	

SUMMARY.

Classes of commodities.	Foreign.		Domestic.				Total.	
	Exports.		Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			1,271	\$203,360			1,271	\$203,360
Vegetable food products.....					85	\$7,820	85	7,820
Nonmetallic minerals.....	195	\$3,061	3,000	1,800	12,363	177,710	15,558	182,591
Unclassified.....			20	6,000			20	6,000
Total.....	195	3,061	4,291	211,160	12,448	185,530	16,934	399,771

Vessel classification.

Class.	Entrances and clearances.		Net registered tonnage.
	American.	Total.	
Registered:			
Steam.....	715	715	27,922
Motor.....	716	716	8,308
Total.....	1,431	1,431	36,230

No record of unregistered vessels.

Number of passengers.....	7,270
Increase of net registered tonnage, 1920 over 1919.....	12,461
Value of exports, lake.....	\$3,081
Enrolled tonnage, port of Port Clinton, Ohio..... gross tons..	221

Greatest draft of vessels arrived or departed in 1920.....feet.. 10
 New lines of transportation established..... 1

REMARKS.—New line of transportation was in the plaster trade, Port Clinton to Detroit and Cleveland.

SANDUSKY HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891.....	435,089	(1)	(1)	1906.....	1,366,663	(1)	(1)
1892.....	385,661	(1)	(1)	1907.....	2,239,861	(1)	(1)
1893.....	430,030	(1)	(1)	1908.....	1,295,474	\$5,251,600	(1)
1894.....	600,454	(1)	(1)	1909.....	1,586,046	4,995,551	(1)
1895.....	761,208	(1)	(1)	1910.....	1,959,162	4,951,222	959,869
1896.....	1,383,455	(1)	(1)	1911.....	2,279,318	6,579,624	808,263
1897.....	991,974	(1)	(1)	1912.....	2,970,626	10,316,745	638,794
1898.....	1,190,317	(1)	(1)	1913.....	3,253,654	10,593,104	706,893
1899.....	1,164,172	(1)	(1)	1914.....	3,129,776	12,778,376	1,605,700
1900.....	1,265,370	(1)	(1)	1915.....	3,234,895	12,733,219	133,497
1901.....	1,188,885	(1)	(1)	1916.....	3,389,822	13,377,927	278,847
1902.....	1,357,316	(1)	(1)	1917.....	4,067,249	19,432,330	190,472
1903.....	1,473,740	(1)	(1)	1918.....	2,983,899	13,527,875	232,245
1904.....	1,436,615	(1)	(1)	1919.....	2,069,066	16,637,001	353,018
1905.....	1,468,677	(1)	(1)	1920.....	2,277,489	20,080,095	332,016

¹ No statistics available.

² Exclusive of ferry and short-haul traffic.

[Navigation season: Opened Mar. 18; closed Dec. 10, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair:				
Fresh fish.....	127	127	\$27,432	\$27,432
Vegetable food products: Wheat.....	3,591	3,591	263,340	263,340
Nonmetallic minerals: Lake sand.....	340,675	340,675	204,405	204,405
Unclassified: Merchandise.....	29	29	5,365	5,365
Total.....		344,422		500,542
EXPORTS.				
Nonmetallic minerals: Bituminous coal, cargo.....	215,877	215,877	1,571,585	1,571,585
Unclassified: Merchandise.....	144	144	7,344	7,344
Total.....		216,021		1,578,929
Total imports and exports.....		560,443		2,079,471

FERRY AND SHORT HAUL.

Commodities.	Amount in short tons.	Value.	Passengers.
Sandusky to Cedar Point, building material, household and subsistence supplies.....	27,000	\$540,000	705,589
Automobile ferry, Sandusky to Hartshorn Dock, 13,062 automobiles.....	13,062	13,062,000	34,165
Sandusky to Bay Point, Sandusky to Islands, miscellaneous freight.....	120	24,000	51,300
Total.....	40,182	13,626,000	791,054

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fresh fish.....		3, 628	3, 628	\$552, 930	\$552, 930	Miles. 20	Mills.
Vegetable food products: Wheat.....	2, 085		2, 085	152, 900	152, 900	704	2. 4
Wood and paper: Cedar ties.....		607	607	24, 076	24, 076	440	.....
Nonmetallic minerals.....			243, 648		151, 827		.....
Lake sand.....	236, 600			141, 960			.....
Limestone.....	7, 048			9, 867		30	.....
Unclassified: Merchandise.....		7, 039	7, 039	952, 800	952, 800	24	.....
Total.....	245, 733	11, 274	257, 007		1, 834, 533		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals.....			1, 447, 039		10,641,091		
Coal—							
Bituminous—							
Cargo.....	1, 394, 782			10,154,013		680	. 76
Bunker.....	41, 246			300, 270			
Anthracite.....	500			5, 140		20	
Portland cement.....		9, 601		168, 018		80	
Lime.....		910		13, 650		80	
Unclassified: Merchandise.....		13, 000	13, 000	5, 525, 000	5, 525, 000	25	
Total.....	1, 436, 528	23, 511	1, 460, 039		16, 166, 091		
Total receipts and shipments.....	1, 682, 261	34, 785	1, 717, 046		18, 000, 624		

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	127	\$27, 432		
Vegetable food products.....	3, 591	263, 340		
Nonmetallic minerals.....	340, 675	204, 405	215, 877	\$1, 571, 585
Unclassified.....	29	5, 365	144	7, 344
Total.....	344, 422	500, 542	216, 021	1, 578, 929

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	3, 628	\$552, 930	.....	.....	3, 755	\$580, 362
Vegetable food products.....	2, 085	152, 900	.....	.....	5, 676	416, 240
Nonmetallic minerals.....	243, 648	151, 827	1, 447, 039	\$10, 641, 091	2, 247, 239	12, 568, 908
Wood and paper.....	607	24, 076	.....	.....	607	24, 076
Unclassified.....	7, 039	952, 800	13, 000	5, 525, 000	20, 212	6, 490, 509
Total.....	257, 007	1, 834, 533	1, 460, 039	16, 166, 091	2, 277, 489	20, 080, 095

General ferry, short tons, 40,182; value, \$13,626,000.

Vessel classification, 1920.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam.....	4,991	75	5,066	2,841,130	332,016
Sail and barge.....	111		111	48,786	
Total.....	5,102	75	5,177	2,889,916	332,016

No record of unregistered vessels.

Increase of net registered tonnage, 1920 over 1919.....	140,359
Amount of revenue collected, calendar year 1920: lake commerce.....	\$465.49
Value of imports:	
By lake, free.....	\$495,177
By lake, dutiable.....	5,365
Total.....	\$500,542
Value of exports, lake.....	\$1,578,929
Enrolled tonnage, port of Sandusky, Ohio, gross tons.....	8,470
Greatest draft of vessels arrived or departed in 1920, feet.....	20

HURON HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891.....	151,000	(1)	1906.....	1,675,096	(1)
1892.....	148,511	(1)	1907.....	2,321,455	(1)
1893.....	425,032	(1)	1908.....	1,167,574	\$2,839,500
1894.....	481,593	(1)	1909.....	881,106	2,310,306
1895.....	249,675	(1)	1910.....	1,216,025	2,987,394
1896.....	518,767	(1)	1911.....	1,257,724	3,120,266
1897.....	445,025	(1)	1912.....	2,120,603	5,049,556
1898.....	451,206	(1)	1913.....	2,557,932	6,534,610
1899.....	(2)	(1)	1914.....	1,407,355	3,790,343
1900.....	656,179	(1)	1915.....	1,406,005	4,069,159
1901.....	674,492	(1)	1916.....	2,869,066	8,519,198
1902.....	795,382	(1)	1917.....	3,833,358	17,393,888
1903.....	701,385	(1)	1918.....	4,128,327	18,960,210
1904.....	502,848	(1)	1919.....	2,826,314	12,946,067
1905.....	1,719,550	(1)	1920.....	3,584,355	23,574,640

¹ No statistics available.² No report.*Freight traffic, 1920.*

FOREIGN.

[Navigation season: Opened Apr. 8; closed Dec. 17, 1920.]

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals: Bituminous coal, cargo.....	553,012	553,012	\$4,025,927	\$4,025,927

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fresh fish.....		941	941	\$143,980	\$143,980	Miles. 25	Mills.
Nonmetallic minerals: Limestone.....	114,807		114,807	143,508	143,508	300	3.33
Ores, metals and manufactures of, except machinery and vehicles: Iron ore.....	1,534,615		1,534,615	9,207,690	9,207,690	750	1.44
Total.....	1,649,422	941	1,650,363	9,495,178			
SHIPMENTS, INTERNAL.							
Nonmetallic minerals.....			1,380,980		10,053,535		
Bituminous coal—							
Cargo.....	1,287,196			9,370,787		680	.76
Bunker.....	93,784			682,748			
Total.....	1,380,980		1,380,980		10,053,535		
Total receipts and shipments.....	3,030,402	941	3,031,343	19,548,713			

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
	Tons.	Value.	Receipts.		Shipments.		Tons.	Value.
			Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....			941	\$143,980			941	\$143,980
Nonmetallic minerals.....	553,012	\$4,025,927	114,807	143,508	1,380,980	\$10,053,535	2,048,799	\$14,222,970
Ores, metals, and manufactures of, except machinery and vehicles.....			1,534,615	9,207,690			1,534,615	9,207,690
Total.....	553,012	4,025,927	1,650,363	9,495,178	1,380,980	10,053,535	3,584,355	23,574,640

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steam.....	1,238	164	1,402	3,695,807
Sail and barge.....	114	2	116	206,086
Total.....	1,352	166	1,518	3,901,893

No record of unregistered vessels.

Increase of net registered tonnage, 1920 over 1919, 1,265,351.

Value of exports, lake, \$4,025,927.

Enrolled tonnage, port of Huron, Ohio, gross tons, 53.

Greatest draft of vessels arrived or departed in 1920, 21 feet.

VERMILION HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891.....	3,000	(1)	1906.....	1,025	(1)
1892.....	5,350	(1)	1907.....	1,609	(1)
1893.....	4,304	(1)	1908.....	1,855	\$104,443
1894.....	3,273	(1)	1909.....	2,265	126,410
1895.....	3,668	(1)	1910.....	2,086	118,097
1896.....	3,482	(1)	1911.....	1,608	86,832
1897.....	3,826	(1)	1912.....	1,112	81,736
1898.....	1,250	(1)	1913.....	748	75,000
1899.....	No report.	(1)	1914.....	1,146	112,967
1900.....	Do.	(1)	1915.....	982	78,576
1901.....	7,050	(1)	1916.....	711	71,100
1902.....	2,122	(1)	1917.....	1,149	137,880
1903.....	1,500	(1)	1918.....	1,092	141,960
1904.....	4,900	(1)	1919.....	597	109,900
1905.....	8,210	(1)	1920.....	517	97,590

1 No statistics available.

[Navigation season: Opened Mar. 18, closed Dec. 20, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities.	By classes.	By commodities.	By classes.	
RECEIPTS, INTERNAL.					
Animals and animal products, except wool and hair:					Miles.
Fresh fish.....	517	517	\$97,590	\$97,590	25

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.
	Ameri-can.	Foreign.	Total.	
Registered:				
Steam.....	1,354	.....	1,354	36,106
Motor.....	1,636	.....	1,636	19,474
Total.....	2,990	.....	2,990	55,640

No record of unregistered vessels.

Decrease of net registered tonnage, 1920 under 1919, 308.

Enrolled tonnage, port of Vermilion, Ohio, 314 gross tons.

Greatest draft of vessels arrived or departed in 1920, 8 feet.

LORAIN HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891.....	738,747	()	1906.....	4,325,691	()
1892.....	221,434	()	1907.....	5,239,420	()
1893.....	826,503	()	1908.....	4,399,350	\$14,217,900
1894.....	534,015	()	1909.....	5,229,427	17,490,400
1895.....	564,055	()	1910.....	6,014,338	18,851,633
1896.....	565,219	()	1911.....	6,454,267	18,374,177
1897.....	642,581	()	1912.....	7,400,491	19,358,506
1898.....	1,067,015	()	1913.....	8,609,397	23,327,877
1899.....	1,423,157	()	1914.....	4,507,075	11,517,228
1900.....	1,546,709	()	1915.....	7,019,460	20,696,964
1901.....	1,101,331	()	1916.....	8,947,546	27,388,523
1902.....	2,549,496	()	1917.....	7,529,681	34,166,693
1903.....	2,368,482	()	1918.....	7,586,686	35,492,356
1904.....	2,393,238	()	1919.....	6,817,729	31,379,017
1905.....	3,265,486	()	1920.....	8,519,516	37,402,771

¹ No statistics available.

Number of passengers, 1,529.

[Navigation season: Opened, Apr. 8; closed, Dec. 21, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals: Bituminous coal—Cargo.....	1,065,309	1,065,309	\$7,755,450	\$7,755,450
Ores, metals, and manufactures, except machinery and vehicles: Steel pipe.....	2,138	2,138	198,996	198,996
Total.....		1,067,447		7,954,446

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Rate per ton- mile
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fresh fish.....		680	680	\$108,800	\$108,800	Miles. 25	Mills.
Nonmetallic minerals.....			491,783		635,637		
Lake sand.....	34,710			18,589		35	
Limestone.....	457,073			617,048		300	3.33
Ores, metals, and manufactures, except machinery and vehi- cles: Iron ore.....	4,508,600		4,508,600	27,051,600	27,051,600	750	1.44
Total.....	5,000,383	680	5,001,063		27,796,037		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals.....			2,406,496		17,519,284		
Bituminous coal—							
Cargo.....	2,195,056			15,980,008		680	.76
Bunker.....	211,439			1,539,276			
Ores, metals, and manufactures, except machinery and vehi- cles: Steel pipe.....		44,311	44,311	4,133,004	4,133,004		
Total.....	2,406,495	44,311	2,450,806		21,652,288		
Total receipts and ship- ments.....	7,406,878	44,991	7,451,869		49,448,325		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products, except wool and hair.....			690	\$108,800			690	\$108,800
Nonmetallic minerals.....	1,065,309	\$7,755,450	491,783	635,637	2,406,495	\$17,519,284	3,963,567	\$25,910,371
Ores, metals, and manufactures, except machinery and vehicles..	2,138	198,996	4,508,600	27,051,600	44,311	4,133,004	4,555,049	31,383,600
Total.....	1,067,447	7,954,446	5,001,063	27,796,037	2,450,806	21,652,288	8,519,316	57,402,771

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steam.....	3,158	336	3,494	7,422,514
Sail and barge.....	182		182	314,704
Total.....	3,340	336	3,676	7,737,518

No record of unregistered vessels.

Increase of net registered tonnage, 1920 over 1919, 1,099,762.

Value of exports, lake, \$7,954,446.

Enrolled tonnage, port of Lorain, gross tons, 437.

Greatest draft of vessels arrived or departed in 1920, 21 feet.

Two new vessels were constructed during the year at the plant of the American Shipbuilding Co., with net registered tonnage of 6,436 each, valued at \$2,700,000, and vessels were repaired at the same plant at an approximate cost of \$559,000.

CLEVELAND HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891.....	4,512,765	(1)	(1)	1906.....	12,247,626	(1)	(1)
1892.....	7,069,791	(1)	(1)	1907.....	12,872,448	(1)	(1)
1893.....	4,189,722	(1)	(1)	1908.....	10,159,170	\$82,491,700	(1)
1894.....	4,048,004	(1)	(1)	1909.....	12,392,425	86,427,520	(1)
1895.....	5,281,99	(1)	(1)	1910.....	13,386,606	69,850,104	(1)
1896.....	5,522,111	(1)	(1)	1911.....	10,949,760	59,873,364	(1)
1897.....	6,118,731	(1)	(1)	1912.....	14,296,078	75,250,255	(1)
1898.....	6,500,518	(1)	(1)	1913.....	16,488,083	82,761,622	(1)
1899.....	7,399,921	(1)	(1)	1914.....	10,912,572	50,979,660	437,544
1900.....	7,569,923	(1)	(1)	1915.....	12,631,442	114,949,361	419,281
1901.....	7,481,810	(1)	(1)	1916.....	16,577,240	127,966,870	534,196
1902.....	10,151,006	(1)	(1)	1917.....	14,282,687	128,239,064	454,333
1903.....	10,059,433	(1)	(1)	1918.....	15,895,450	166,971,258	406,183
1904.....	9,359,417	(1)	(1)	1919.....	12,335,293	179,236,538	624,715
1905.....	11,419,797	(1)	(1)	1920.....	12,463,028	198,105,114	656,231

¹ No statistics available.

Navigation season: Opened Apr. 8, closed Dec. 21, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Wheat.....	23,955	23,955	\$1,756,700	\$1,756,700
Wood and paper.....		20,812		734,913
Print paper.....	252		33,050	
Lumber.....	19,722		674,122	
Lath.....	808		27,741	
Nonmetallic minerals.....		282,995		580,023
Cement.....	17,781		227,262	
Asbestos fiber.....	1,133		22,660	
Sand and gravel.....	264,081		330,101	
Ores, metals, and manufactures of, except machinery and vehicles: Iron ore.....	38,973	38,973	233,838	233,838
Total imports.....		366,735		3,305,474
EXPORTS.				
Vegetable food products: Wheat.....	1,410	1,410	103,400	103,400
Textiles: Twine.....	16	16	3,200	3,200
Nonmetallic minerals.....		944,449		8,384,739
Coal, soft.....	907,715		6,608,165	
Oil.....	36,190		1,773,310	
Fire brick and clay.....	544		3,264	
Ores, metals, and manufactures of, except machinery and vehicles: Wire.....	19,140	19,140	1,914,000	1,914,000
Chemicals: Soda ash.....	18	18	180	180
Unclassified: Merchandise.....	60	60	24,000	24,000
Total.....		965,093		10,429,519
Total imports and exports.....		1,331,828		13,734,993

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Poultry, game, and fish.....		1 803	803	\$129,308	\$129,308	Miles. 25	Mills.
Vegetable food products.....			775		106,560		
Fruits and vegetables.....		70		4,200			
Sugar.....		15		4,500			
Wines and liquors.....		51		51,000			
Wheat.....	639			46,860		176	0.93
Wood and paper.....			10,565		368,604		
Print paper.....		244		24,400		108	
Lumber.....	9,796			336,329		530	9.11
Pulpwood.....	525			7,875		835	
Nonmetallic minerals.....			910,342		1,669,671		
Mineral oils.....		1,853		89,797			
Cement.....		39,243		490,517		328	
Paving blocks.....		1,600		4,800			
Limestone.....	867,646			1,084,557		220	4.5
Ores, metals, and manufactures, except machinery and vehicles.....			8,961,963		54,349,877		
Iron and steel.....		3,767		329,612			
Bars and sheet iron.....		826		72,275			
Plumbing fixtures.....		205		205,000		743	
Iron ore.....	8,957,165			53,742,990		780	1.4

¹ Fish brought ashore in fishing boats (loose or bulk) has been classed as package freight; then it is crated, boxed, or barreled for further shipment.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL—contd.						<i>Miles.</i>	<i>Mills.</i>
Machinery and vehicles.....			36, 880		\$24, 285, 000		
Machinery.....		1, 130		\$452, 000			
Automobiles and wagons.....		35, 750		23, 833, 000			
Unclassified: Merchandise.....		66, 714	66, 714	20, 024, 200	20, 024, 200	107	
Total.....	9, 835, 771	152, 271	9, 988, 042		100, 933, 220		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair.....			1, 452		232, 380		
Packing-house products.....		1, 338		214, 080			
Dressed meats.....		55		11, 000			
Animals.....		52		5, 200			
Poultry, game, and fish.....		7		2, 100			
Vegetable food products.....			1, 316		253, 200		
Sugar.....		726		217, 800			
Fruits and vegetables.....		571		34, 260			
Other agricultural products.....		19		1, 140			
Nonmetallic minerals.....			937, 879		6, 974, 042		
Coal, cargo.....	739, 371			5, 456, 557		729	0. 72
Coal, bunker.....	193, 228			1, 406, 699			
Tile and plaster.....		1, 004		10, 040		106	
Stone and sand.....	2, 216			2, 770			
Mineral oils.....		1, 984		97, 216			
Cement, brick, and lime.....		76		760			
Ores, metals, and manufactures of, except machinery and vehicles.....			17, 942		1, 719, 279		
Wire nails.....		2, 057		179, 987			
Automobile parts.....		463		185, 200		742	
Iron and steel castings.....		5, 813		308, 627			
Metal beds.....		75		11, 250			
Iron and steel rails.....		46		4, 025			
Bar and sheet metal.....		9, 488		830, 180			
Machinery and vehicles.....			51, 802		34, 427, 900		
Machinery.....		1, 016		406, 400			
Automobiles and wagons.....		47, 743		32, 500, 000		742	
Agricultural.....		3, 043		1, 521, 500			
Unclassified: Merchandise.....		132, 763	132, 767	39, 830, 100	39, 830, 100	294	
Total.....	934, 815	208, 343	1, 143, 158		83, 426, 901		
Total receipts and shipments.....	10, 770, 586	360, 614	1, 113, 200		184, 370, 121		

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Vegetable food products.....	23, 965	\$1, 756, 700	1, 410	\$108, 400
Textiles.....			16	3, 200
Wood and paper.....	20, 812	734, 913		
Nonmetallic minerals.....	282, 995	580, 023	944, 449	8, 394, 739
Ores, metals, and manufactures of, except machinery and vehicles.....	38, 973	233, 838	19, 140	1, 914, 000
Chemicals.....			18	180
Unclassified.....			60	24, 000
Total.....	366, 735	3, 305, 474	965, 063	10, 429, 519

Freight traffic, 1920—Continued.

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	803	\$129,308	1,452	\$232,380	2,255	\$361,688
Vegetable food products.....	775	106,560	1,316	253,200	27,456	2,219,860
Textiles.....					16	3,200
Wood and paper.....	10,565	368,604			31,377	1,103,517
Nonmetallic minerals.....	910,342	1,669,671	937,879	6,974,042	3,075,665	17,608,475
Ores, metals, and manufactures of, except machinery and vehicles.....	8,961,963	54,349,877	17,942	1,719,279	9,038,018	58,216,994
Machinery and vehicles.....	36,880	24,285,000	51,902	34,427,900	88,682	58,712,900
Chemicals.....					18	180
Unclassified.....	66,714	20,024,200	132,767	39,830,100	199,541	59,878,300
Total.....	9,988,042	100,933,220	1,143,158	83,436,901	12,463,028	198,106,114

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam.....	7,221	267	7,488	12,845,564	656,231
Sail and barge.....	1,196	61	1,257	1,210,974	.....
Total.....	8,417	328	8,745	14,056,538	656,231

No record of unregistered vessels.

Decrease of net registered tonnage, 1920 under 1919.....	1,522,311
Value of imports by lake, free.....	\$3,305,474
Value of exports, lake.....	\$10,429,519
Enrolled tonnage, port of Cleveland, Ohio..... gross tons..	991,566
Greatest draft of vessels arrived or departed in 1920..... feet..	21
New lines of transportation established.....	1

FAIRPORT HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891.....	930,255	(1)	1906.....	2,775,018	(1)
1892.....	1,103,197	(1)	1907.....	3,223,495	(1)
1893.....	1,215,613	(1)	1908.....	2,022,275	\$15,814,200
1894.....	1,763,214	(1)	1909.....	2,003,283	15,359,009
1895.....	1,413,101	(1)	1910.....	2,070,166	15,449,255
1896.....	1,897,070	(1)	1911.....	2,555,699	12,689,063
1897.....	1,751,224	(1)	1912.....	2,554,456	17,662,727
1898.....	1,517,088	(1)	1913.....	3,566,842	21,277,106
1899.....	1,720,283	(1)	1914.....	2,543,304	12,816,270
1900.....	1,688,147	(1)	1915.....	3,009,485	26,119,618
1901.....	1,639,764	(1)	1916.....	3,228,711	20,759,504
1902.....	2,330,480	(1)	1917.....	3,031,813	20,075,567
1903.....	2,480,738	(1)	1918.....	2,922,171	18,354,090
1904.....	1,781,796	(1)	1919.....	2,888,354	14,936,079
1905.....	2,680,173	(1)	1920.....	1,953,501	12,878,298

¹ No statistics available.

No passenger statistics.

The decrease in freight tonnage in 1920 was due chiefly to the discontinuance of coal shipments from this port.

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products except wool and hair: Fresh fish.....		1 595	595	\$65, 450	\$65, 450	25	
Vegetable food products.....			67, 339		3, 644, 984		
Rye.....	20, 049			1, 439, 214		738	2.5
Corn.....	43, 992			1, 963, 924		738	2.5
Wheat.....	3, 298			241, 846		738	2.26
Nonmetallic minerals: Limestone.....	471, 440		471, 440	589, 300	589, 300	360	2.8
Ores, metals and manufactures of, except machinery and vehicles: Iron ore.....	1, 397, 719		1, 397, 719	8, 386, 314	8, 386, 314	708	1.36
Total.....	1, 936, 498	595	1, 937, 093		12, 686, 048		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals: Bituminous coal, bunker.....	26, 408		26, 408	192, 250	192, 250		
Total receipts and shipments.....	1, 962, 906	595	1, 963, 501		12, 878, 298		

¹ Fish brought ashore in fishing boats (loose or bulk) has been classed as package, then it is crated, boxed, or barreled for further shipment.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	595	\$65, 450			595	\$65, 450
Vegetable food products.....	67, 339	3, 644, 984			67, 339	3, 644, 984
Nonmetallic minerals.....	471, 440	589, 300	26, 408	\$192, 250	497, 848	781, 550
Ores, metals and manufactures of, except machinery and vehicles.....	1, 397, 719	8, 386, 314			1, 397, 719	8, 386, 314
Total	1, 937, 093	12, 686, 048	26, 408	192, 250	1, 963, 501	12, 878, 298

Vessel classification.

Class.	Entrances and clearances.		Net registered tonnage.
	American.	Total.	
Registered:			
Steam.....	650	650	1, 787, 003
Sail and barge.....	44	44	65, 980
Motor.....	520	520	2, 600
Total	1, 214	1, 214	1, 855, 583

No record of unregistered vessels.

Decrease of net registered tonnage, 1920 under 1919..... 540, 079
 Greatest draft of vessels arrived or departed in 1920..... feet.. 21

ASHTABULA HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	2,039,229	(1)	1906	10,314,129	(1)
1892	4,231,000	(1)	1907	11,834,580	(1)
1893	2,659,960	(1)	1908	5,935,097	\$18,855,100
1894	2,970,158	(1)	1909	13,154,061	46,204,353
1895	3,735,982	(1)	1910	16,257,723	54,519,144
1896	3,667,443	(1)	1911	13,062,023	37,805,404
1897	4,316,671	(1)	1912	14,515,139	38,435,387
1898	4,056,058	(1)	1913	15,743,375	45,952,628
1899	4,652,232	(1)	1914	11,833,302	29,529,689
1900	5,755,402	(1)	1915	14,521,729	45,119,231
1901	6,003,636	(1)	1916	18,264,135	63,917,789
1902	7,063,167	(1)	1917	15,992,388	87,876,982
1903	6,330,344	(1)	1918	16,993,677	90,129,120
1904	5,664,049	(1)	1919	\$13,236,516	63,813,707
1905	9,250,691	(1)	1920	\$16,313,708	103,135,960

¹ No statistics available.² Exclusive of car-ferry traffic.

[Navigation season: Opened Apr. 8, closed Dec. 21, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals		1,088,446		\$7,341,485
Bituminous coal, cargo	971,811		\$7,074,783	
Bituminous coal, bunker	36,635		266,702	
Unclassified: Merchandise	185	186	8,011	8,011
Total		1,008,631		7,349,496

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fresh fish		¹ 1,326	1,326	\$185,640	\$185,640	Miles. 25	Mills.
Ores, metals and manufactures of, except machinery and vehicles: Iron ore	12,351,940		12,351,940	74,111,640	74,111,640	818	1.32
Total	12,351,940	1,326	12,353,266		74,297,280		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals			2,951,811		21,489,184		
Bituminous coal, cargo	2,612,710			19,020,529		688	0.75
Bituminous, bunker	339,101			2,468,655			
Total	2,951,811		2,951,811		21,489,184		
Total receipts and shipments	15,303,751	1,326	15,305,077		95,786,464		

¹ Fish brought ashore in fishing boats (loose or bulk) has been classed as package freight, then it is crated, boxed or barreled for further shipments.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

CAR FERRIES BETWEEN ASHTABULA AND PORT BURWELL AND PORT MAITLAND,
ONTARIO, CANADA.

Commodities.	Amount in short tons.	Value.
IMPORTS.		
Unclassified.....	9, 785	\$1, 507, 750
EXPORTS.		
Nonmetallic minerals:		
Bituminous coal.....	657, 262	1, 784, 867
Coke.....	15, 474	150, 073
Unclassified: Merchandise.....	124, 109	18, 616, 350
Total.....	806, 630	22, 068, 040

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
	Tons.	Value.	Receipts.		Shipments.		Tons.	Value.
			Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....			1, 326	\$185, 640			1, 326	\$185, 640
Nonmetallic minerals.....	1, 008, 446	\$7, 341, 485			2, 951, 811	\$21, 489, 184	3, 960, 257	28, 830, 669
Ores, metals, and manufactures of, except machinery and vehicles.....			12, 351, 940	74, 111, 640			12, 351, 940	74, 111, 640
Unclassified.....	85	8, 011					185	8, 011
Total.....	1, 008, 631	7, 349, 496	12, 353, 266	74, 297, 280	2, 951, 811	21, 489, 184	16, 313, 708	103, 135, 960

Car ferry, short tons, 806,630; value, \$22,068,040.

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steam.....	6, 102	590	6, 692	16, 796, 598
Sail and barge.....	120	180	300	377, 114
Motor.....	280		280	2, 354
Total.....	6, 502	770	7, 272	17, 175, 066

No record of unregistered vessels.

Increase of net registered tonnage, 1920 over 1919.....	4, 120, 003
Amount of revenue collected, calendar year 1920:	
Lake commerce.....	\$3, 827. 79
Value of imports:	
By lake, free.....	¹ \$1, 314, 933
By lake, dutiable.....	¹ 192, 817
Total.....	¹ 1, 507, 750
Value of exports, by lake.....	² \$27, 909, 786
Greatest draft of vessels arrived or departed in 1920.....feet..	21

¹ Car ferries.² Including car ferries, \$20,560,290.

CONNEAUT HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	(¹)	(¹)	1907	8,351,407	(¹)
1892	1,265	(¹)	1908	6,467,334	\$24,872,300
1893	247,795	(¹)	1909	9,747,808	37,666,054
1894	343,996	(¹)	1910	8,447,901	32,957,236
1895	405,518	(¹)	1911	8,879,277	33,290,265
1896	443,031	(¹)	1912	10,028,965	30,709,781
1897	589,368	(¹)	1913	10,783,204	36,109,259
1898	1,761,686	(¹)	1914	8,625,166	25,064,766
1899	2,611,711	(¹)	1915	11,790,980	40,404,994
1900	3,332,607	(¹)	1916	13,129,367	44,294,527
1901	3,955,078	(¹)	1917	12,936,398	62,501,557
1902	5,286,611	(¹)	1918	10,835,424	54,344,152
1903	5,296,991	(¹)	1919	10,047,535	52,597,030
1904	4,548,538	(¹)	1920	9,166,996	58,148,807
1905	6,556,282	(¹)	1920	² 518,897	² 10,443,654
1906	7,063,069	(¹)			

¹ No statistics available.² Car ferries.

NOTE.—Figures given in Annual Report, 1892-95, appear to have been incorrect, and were revised in report for 1897, Part IV, p. 3094; the latter figures are used.

[Season of navigation: Opened Apr. 8, closed Dec. 21, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals: Bituminous coal		297,662		\$2,166,979
Cargo	287,589		\$2,093,648	
Bunker	10,073		73,331	
Total	297,662	297,662	2,166,979	2,166,979

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS.						
Ores, metals and manufactures of, except machinery and vehicles: Iron ore.	6,708,534	6,708,534	40,251,204	40,251,204	Miles. 831	Mills. 1.30
Total	6,708,534	6,708,534	.....	40,251,204	.....	.....
SHIPMENTS.						
Nonmetallic minerals: Bituminous coal.		2,160,800		15,730,624		
Cargo	2,130,077		15,506,961		562	.925
Bunker	30,723		223,663			
Total	2,160,800	2,160,800		15,730,624		
Total receipts and shipments	8,869,334	8,869,334	.....	55,981,828	.....	.....

Freight traffic, 1920—Continued.

CAR FERRY.

Commodities.	Amount in short tons.	Value.
IMPORTS.		
Unclassified (chiefly scrap metal).....	4,002	\$58,692
EXPORTS.		
Bituminous coal:		
Cargo.....	430,267	3,132,343
Bunker.....	13,052	95,019
Unclassified (chiefly manufactured steel).....	71,576	7,157,600
Total	518,897	10,443,654

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals.....	297,662	\$2,166,979	.....	.....	2,160,800	\$15,730,624	2,458,462	\$17,897,603
Ores, metals and manufactures of, except machinery and vehicles.....	.....	.....	6,708,534	\$40,251,204	.....	.....	6,708,534	40,251,204
Total.....	297,662	2,166,979	6,708,534	40,251,204	2,160,800	15,730,624	9,166,996	58,148,807

Car ferry, short tons, 518,897; value, \$10,443,654.

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steam.....	2,522	194	2,716	8,712,878
Sail and barge.....	32	44	76	114,348
Total	2,554	238	2,792	8,827,226

No record of unregistered vessels.

Decrease of net registered tonnage, 1920 under 1919.....	410,439
Value of imports, by lake, free.....	¹ \$58,692
Value of exports, lake.....	² \$12,551,941
Greatest draft of vessels arrived or departed in 1920.....feet..	21

¹ All car ferry.² Of which \$10,384,962 was car ferry.

ERIE HARBOR, PA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	1 1,734,056	(*)	(*)	1906.....	4,287,230	(*)	(*)
1891.....	1 1,674,209	(*)	(*)	1907.....	5,155,067	(*)	(*)
1892.....	2,073,065	(*)	(*)	1908.....	2,725,088	(*)	(*)
1893.....	1 1,694,010	(*)	(*)	1909.....	3,144,796	(*)	(*)
1894.....	1 1,992,654	(*)	(*)	1910.....	2,868,485	\$90,310,806	6,252
1895.....	1 2,225,957	(*)	(*)	1911.....	2,264,322	75,808,610	10,000
1896.....	2,473,719	(*)	(*)	1912.....	3,135,725	82,507,650	5,000
1897.....	3,295,951	(*)	(*)	1913.....	3,340,071	78,576,009	5,000
1898.....	1 3,061,296	(*)	(*)	1914.....	3,014,344	67,508,612	5,000
1899.....	3,486,471	(*)	(*)	1915.....	3,296,655	67,875,943	.....
1900.....	3,357,356	(*)	(*)	1916.....	4,595,119	48,055,605	.....
1901.....	2,916,273	(*)	(*)	1917.....	4,252,810	50,779,101	323
1902.....	3,225,963	(*)	(*)	1918.....	4,380,516	56,696,518	.....
1903.....	1 2,962,959	(*)	(*)	1919.....	3,197,794	42,063,206	11,181
1904.....	2,510,467	(*)	(*)	1920.....	4,252,100	55,041,418	12,051
1905.....	3,760,228	(*)	(*)				

* Corrected figures.

* No statistics available.

[Navigation season: Opened Apr. 17, closed Dec. 21, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		498		\$79,842
Butter.....			\$135	
Fish.....	498		79,707	
Wood and paper: Pulp wood.....	99,542	99,542	1,270,156	1,270,156
Total.....		100,040		1,349,998
EXPORTS.				
Nonmetallic minerals.....		405,807		2,963,275
Coal, hard.....	2,965		30,686	
Coal, soft.....	402,792		2,932,326	
Salt.....	30		263	
Total.....		405,807		2,963,275
Total imports and exports.....		505,847		4,313,273

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			220, 760	\$2, 784, 855	\$18, 241, 637	Miles.	Mills.
Rye.....	38, 794			5, 550, 567		898	1. 989
Wheat.....	75, 690			8, 131, 765		870	1. 915
Flour.....		70, 771		5, 200		915	3. 279
Barley.....	120			1, 769, 250		918	2. 266
Feed.....		35, 385			686, 730	918	2. 996
Wood and paper.....			48, 581	585, 072		853	2. 345
Pulp wood.....	45, 852			64, 838		775	5. 346
Lumber.....	2, 203			36, 820		918	3. 268
Shingles.....		526					
Ores, metals, manufactures of, except machinery and vehicles.....			2, 492, 336	14, 909, 382	17, 509, 432	827	1. 259
Iron ore.....	2, 484, 897			2, 596, 650		895	4. 480
Copper.....		7, 419		3, 400		918	4. 357
Zinc.....		20		72, 675	72, 675	913	4. 381
Unclassified: Merchandise.....		323	323				
Total.....	2, 647, 556	114, 444	2, 762, 000		36, 510, 474		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals.....			744, 770	4, 256, 712	6, 664, 157	868	0. 818
Coal, hard.....	414, 077			2, 407, 445		862	0. 603
Coal, soft.....	330, 693		30, 137	6, 780, 825		859	4. 657
Unclassified: Merchandise.....		30, 137	30, 137				
Total.....	744, 770	30, 137	774, 907		13, 444, 982		
Total receipts and shipments.....	2, 392, 326	144, 581	3, 536, 907		49, 955, 456		
RECEIPTS, LOCAL.							
Animals and animal products, except wool and hair: Fresh.....		3, 755	3, 755	600, 829	600, 829		
Nonmetallic minerals.....			205, 591	5, 341	171, 860		
Sand.....	5, 789			166, 519			
Gravel.....	199, 822						
Total.....	205, 591	3, 755	209, 346		772, 689		

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animal and animal products, except wool and hair.....	498	\$79, 842		
Vegetable food products, oil seeds, expressed oils and beverages.....				
Wood and paper.....	99, 542	1, 270, 156	405, 807	\$2, 963, 275
Nonmetallic minerals.....				
Ores, metals, and manufactures of, except machinery and vehicles.....				
Unclassified merchandise.....				
Total.....	100, 040	1, 349, 998	405, 807	2, 963, 275

Freight traffic, 1920—Continued.

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products, except wool and hair.....	3,755	\$600,829			4,253	\$680,671
Vegetable food products, oil seeds, expressed oils and beverages.....	220,780	18,241,637			220,780	18,241,637
Wood and paper.....	48,581	686,730			148,123	1,956,886
Nonmetallic minerals.....	206,591	171,830	744,770	\$6,664,157	1,356,168	9,799,292
Ores, metals and manufactures of, except machinery and vehicles.....	2,492,336	17,509,432			2,492,336	17,509,432
Unclassified merchandise.....	323	72,675	30,137	6,780,825	30,460	6,853,500
Total.....	2,971,346	37,283,163	774,907	13,444,982	4,252,100	55,041,418

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam.....	949	489	1,438	3,195,369	12,051
Sail and barge.....	56	53	109	106,292	
Motor.....	9		9		
Total.....	1,014	542	1,556	3,301,661	12,051

No record of unregistered vessels.

Increase of net registered tonnage, 1920 over 1919.....	986,663
Amount of revenue collected, calendar year 1920, lake commerce.....	\$42.17
Value of imports:	
By lake, free.....	\$852,998
By lake, dutiable.....	\$620
Total.....	\$853,618
Value of exports, lake.....	\$2,512,676
Enrolled tonnage, port of Erie, Pa.....	3,662 gross tons.
Greatest draft of vessels arrived or departed in 1920, feet 20.9.	
New lines of transportation established.....	None.
Lines of transportation abandoned.....	None.

The greatest draft of vessel at this port was the steamer *E. Y. Townsend*, which arrived on August 11, with iron ore.

The values of imports and exports by lake are those of the records of the subcollector of customs' office, Erie, Pa.

DUNKIRK HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894.....	10,942	(¹)	(¹)	1908.....	1,050	(¹)	(¹)
1895.....	9,918	(¹)	(¹)	1909.....	None.		
1896.....	9,968	(¹)	(¹)	1910.....	337	\$225	(¹)
1897.....	25,498	(¹)	(¹)	1911.....	3,417	43,411	700
1898.....	4,000	(¹)	(¹)	1912.....	86	980	6,995
1899.....	7,979	(¹)	(¹)	1913.....	None.		
1900.....	4,547	(¹)	(¹)	1914.....	None.		
1901.....	2,719	(¹)	(¹)	1915.....	1,414	7,950	(¹)
1902.....	3,742	(¹)	16,000	1916.....	988	148,168	(¹)
1903.....	1,351	(¹)	13,000	1917.....	150	24,000	(¹)
1904.....	3,324	(¹)	(¹)	1918.....	1,300	208,060	(¹)
1905.....	1,965	(¹)	(¹)	1919.....	1,503	240,525	1,000
1906.....	1,130	(¹)	(¹)	1920.....	3,238	141,436	900
1907.....	645	(¹)	(¹)				

¹ No statistics available.

Traffic for the years 1894–1906, inclusive, and 1911–1912 was largely lumber and occasionally laths, shingles and posts. The larger traffic for 1897 was for lumber and stone used in the construction of the United States breakwater and west pier.

Traffic for 1907–1908 and 1910 was stone, machinery, sand and gravel.

Traffic for 1915 was for lumber and stone used in the construction of the Dunkirk municipal dock.

Traffic for 1916–1920, inclusive, was fish caught in Lake Erie off Dunkirk. In previous years this item was not reported.

[Navigation season: Opened Mar. 26; closed Dec. 23. 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Sand and gravel.....	1,995	1,995	\$1,750	\$1,750

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL AND LOCAL.						
Animals and animal products, except wool and hair: Fish.....	871	871	\$139,360	\$139,360	Miles. (¹)	(²)
Nonmetallic minerals: Sand and gravel.....	372	372	326	326	37	(²)
Total.....	1,243	1,243	.....	139,686	.....	.....

¹ Fish caught in Lake Erie, off Dunkirk.² No rate, carried by owners.³ From Buffalo, N. Y.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic receipt.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			871	\$139,360
Nonmetallic minerals.....	1,995	\$1,750	372	326
Total	1,995	1,750	1,243	139,686

Vessel classification.

Classes.	Entrance and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steamers.....	49	18	67	3,975	900
Sail and barges.....					
Motor.....	31		31	174	
Total	80	18	98	4,149	900

No record of unregistered vessels.

Decrease of net registered tonnage, 1920 under 1919..... 331

Amount of revenue collected, calendar year 1920:

Lake commerce..... None.

Value of imports:

By lake, free..... \$1,750

By lake, dutiable..... None.

Value of exports, lake..... None.

Enrolled tonnage, port of Dunkirk, N. Y..... None.

Greatest draft of vessels arrived or departed 1920.....feet.. 12

No new lines of transportation established.

No lines of transportation abandoned.

The entrances and clearances (with exception noted) are those of light fishing boats arriving from and departing for collection districts other than Buffalo, except the steamer *E. Gunnell* with 2 cargoes of sand and gravel, used in the construction of the United States west pier, and the steamer *Americana*, which made one passenger excursion trip.

Fishing boats operating in Lake Erie, opposite Dunkirk, require no coasting manifests.

The draft of the steam fishing boats is from 6 to 8 feet, that of the motor boats 2 to 4 feet. The draft of the steamer *E. Gunnell* was 4 feet, steamer *Americana*, 12 feet.

BUFFALO HARBOR, N. Y.

Comparative statement of traffic.

Year.	Lake.			New York State barge canal.	
	Tons.	Value.	Passengers.	Tons.	Value.
1880.....	7,331,772	(1)	(1)	(1)	(1)
1881.....	9,066,111	(1)	(1)	(1)	(1)
1882.....	9,586,112	(1)	(1)	(1)	(1)
1883.....	9,380,363	(1)	(1)	(1)	(1)
1884.....	8,365,872	(1)	(1)	(1)	(1)
1885.....	8,570,323	(1)	(1)	1,778,511	(1)
1886.....	9,664,155	(1)	(1)	1,570,743	(1)
1887.....	10,748,204	(1)	(1)	1,207,964	(1)
1888.....	11,489,245	(1)	(1)	1,115,407	(1)
1889.....	10,576,667	(1)	(1)	1,033,170	(1)
1890.....	10,216,409	(1)	(1)	888,318	(1)
1891.....	10,219,709	(1)	(1)	1,653,334	(1)
1892.....	9,726,402	(1)	(1)	833,619	(1)
1893.....	11,798,272	(1)	(1)	1,324,216	(1)
1894.....	10,783,980	(1)	(1)	988,725	(1)
1895.....	12,224,286	(1)	(1)	985,861	(1)
1896.....	15,568,338	(1)	(1)	1,769,719	(1)
1897.....	16,487,240	(1)	(1)	1,942,455	(1)
1898.....	12,178,874	(1)	(1)	1,621,527	(1)
1899.....	14,145,013	(1)	(1)	1,568,615	(1)
1900.....	14,755,717	\$390,279,438	1,756,056	1,534,706	\$35,455,544
1901.....	12,417,862	314,397,264	1,090,514	1,291,418	28,950,846
1902.....	16,695,738	386,790,572	(1)	1,128,028	17,547,461
1903.....	18,920,854	393,963,380	1,401,706	1,272,015	22,048,638
1904.....	14,072,620	344,048,649	1,330,368	833,682	13,948,425
1905.....	18,720,724	504,096,377	1,927,035	814,779	16,061,408
1906.....	18,532,712	482,648,469	1,588,615	704,302	14,387,078
1907.....	18,925,179	564,134,085	1,389,420	506,818	6,588,734
1908.....	18,544,063	490,709,974	1,484,977	619,196	14,154,242
1909.....	14,610,551	462,735,245	1,894,662	583,197	22,735,161
1920.....	18,094,623	484,148,006	1,738,111	579,719	33,002,560

¹ No statistics available.

[Navigation season: Opened Apr. 3; closed Dec. 20.]

Freight traffic, 1920.

(By lake.)

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair:				
Fish.....	8	8	\$1,335	\$1,335
Vegetable food products, oil seeds, expressed oils, and beverages.....		1,604,073		116,828,948
Oats.....	65,540		3,522,768	
Rye.....	21,302		1,529,166	
Wheat.....	1,492,880		109,477,830	
Barley.....	11,191		484,945	
Flax.....	13,160		1,814,239	
Nonmetallic minerals.....		51,552		412,021
Cement.....	2,050		26,973	
Gravel.....	6,075		5,625	
Pyrite ore.....	43,427		379,423	
Total.....		1,655,633		117,242,304
EXPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages.....		16,318		1,194,010
Rye.....	1,708		122,610	
Wheat.....	14,610		1,071,400	
Nonmetallic minerals.....		277,556		2,844,538
Coal, hard.....	276,631		2,843,767	
Sand.....	925		771	
Ores, metals, and manufactures of, except machinery and vehicles: Pig iron.....	2,010	2,010	117,585	117,585
Machinery and vehicles.....		13		2,800
Blades, propeller.....	11		1,800	
Hubs, propeller.....	2		1,000	
Unclassified: Pontoons, iron.....	250	250	21,875	21,875
Total.....		296,147		4,180,808
Total imports and exports.....		1,951,780		121,423,112

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS.							
Animals and animal products, except wool and hair.....			4,382		\$4,326,450	Miles.	Mills.
Eggs.....		101		\$45,450		988	4.049
Butter.....		4,281		4,281,000		988	4.049
Vegetable food products, oil seeds, expressed oil, and bev- erages.....			1,968,264		149,830,030		
Corn.....	112,242			6,133,225		894	2.011
Oats.....	23,990			1,289,463		890	3.511
Rye.....	457,742			32,859,373		967	1.847
Wheat.....	787,100			57,730,727		978	1.704
Flour.....		305,324		35,112,260		988	3.036
Barley.....	95,163			4,123,745		975	2.133
Feed.....		151,662		7,863,675		988	2.783
Flax.....	33,661			4,640,349		988	1.807
Oil.....		1,317		64,533		988	1.012
Sugar.....		63		22,680		988	4.049
Textiles: Wool.....		1,323	1,323	926,100	926,100	988	7.085

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS—continued.							
Wood and paper.....			27,043		\$985,249	Miles.	Mills.
Hardwood.....	1,894			\$48,771		554	8.723
Wood.....	59			2,009		988	4.891
Lumber.....	19,164			563,977		916	4.523
Lumber, maple.....	1,149			42,664		594	6.975
Lath.....		296		14,218		988	4.049
Shingles.....		4,480		313,600		988	3.036
Barrels, empty.....		1		10		988	4.049
Nonmetallic minerals.....			1,787,157		2,502,481		
Coal, soft.....	59,584			433,772		210	2.476
Coal, slack.....	5,824			42,399		221	2.353
Stone.....	18,100			13,575		221	4.524
Limestone.....	1,027,099			1,448,944		514	1.653
Gravel.....	676,550			563,791			
Ores, metals, and manufac- tures of, except machinery and vehicles.....			8,633,080		68,062,438		
Iron ore.....	8,577,923			51,467,538		873	1.237
Iron pipe.....		1,975		227,125		197	1.269
Steel pipe.....		3,075		538,125		197	1.269
Tubing.....		5,900		678,500		197	1.269
Copper.....		42,422		14,847,700		988	4.049
Zinc.....		1,785		303,450		988	4.049
Machinery and vehicles.....			19,203		31,077,000		
Machinery.....		40		16,000		988	4.049
Motors.....		18		9,600		753	5.312
Automobiles.....		19,145		31,052,000		256	46.875
Miscellaneous merchandise.....		40,863	40,863	9,194,175	9,194,175	217	1.843
Total.....	11,897,244	584,071	12,481,315		266,903,923		
SHIPMENTS.							
Vegetable food products, oil seeds, expressed oils, and beverages.....			44,429		8,827,152		
Rye.....	5,572			399,990		78	2.299
Wheat.....	1,050			77,000		78	2.136
Flour.....		639		73,485		988	3.036
Flax.....	22,974			3,167,107		972	1.837
Coffee.....		17		5,850			
Sugar.....		14,177		5,103,720			
Nonmetallic minerals.....			3,442,994		35,537,259		
Coal, hard.....	3,411,806			35,073,366		898	.802
Coal, soft.....	20,720			150,842		904	.575
Oil.....		5,502		269,598		988	1.012
Salt.....		4,966		43,453		942	1.327
Ores, metals, and manufac- tures of, except machinery and vehicles.....			28,351		1,617,510		
Iron bars.....		500		29,250		988	2.530
Iron.....		390		22,230		988	2.530
Rails, steel.....		27,470		1,565,790		988	2.530
Castings.....		1		240		988	2.530
Machinery and vehicles.....			15,264		20,478,800		
Machinery.....		100		40,000		988	2.530
Automobiles.....		15,110		20,294,000		517	22.211
Automobile bodies.....		54		144,800		261	45.977
Miscellaneous merchandise.....		130,490	130,490	29,366,250	29,366,250	617	6.483
Total.....	3,462,122	199,406	3,661,528		95,820,971		
Total receipts and ship- ments.....	15,359,366	783,477	16,142,843		362,724,894		

NEW YORK STATE BARGE CANAL.

[Season of navigation: Opened May 1; closed Dec. 1, 1920.]

The following statistics of the Erie Canal commerce of Buffalo, N. Y., for the calendar year 1920 have been compiled from information furnished by the superintendent of public works, State of New York:

Canal clearances..... 633
 Vessels navigating the Erie, Oswego, and Cayuga-Seneca Divisions, all descriptions..... 367

The freight rate, 1920, Buffalo to New York, for wheat was on a fixed tariff basis of 19.67 cents per 100 pounds (11.8 cents per bushel), Lake Michigan and Lake Superior.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			91,309		\$15,514,481
Fruit and vegetables.....		336		\$168,000	
All others.....	200			20,000	
Flaxseed.....	78,111			10,768,161	
Sugar.....		12,662		4,558,320	
Textiles: Cotton.....		70	70	14,000	14,000
Wood and paper: Paper and paper products.....		346	346	77,850	77,850
Nonmetallic minerals.....			263,442		344,764
Petroleum and other oils.....		888		43,512	
Stone.....	84,550			63,413	
Sand.....	84,550			70,458	
Gravel.....	84,500			78,286	
Cement and lime.....		730		9,605	
Clay.....	7,924			79,240	
All others.....	250			250	
Ores, metals, and manufactures of, except machinery and vehicles.....			6,575		575,313
All others.....	6,365			556,938	
Other metals.....		210		18,375	
Chemicals: Chemicals and drugs.....		475	475	95,000	95,000
Unclassified merchandise.....		8,832	8,832	1,987,200	1,987,200
Total.....	346,500	24,549	371,049		18,608,608
SHIPMENTS.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			131,111		10,210,313
Barley.....	2,878			124,714	
Malt.....	4,218			396,989	
Flour.....		15,011		1,726,265	
Oats.....	1,184			63,640	
Rye.....	48,609			3,489,432	
Wheat.....	58,111			4,261,473	
Oil meal and cake.....		850		57,800	
Sugar.....		250		90,000	
Wood and paper: Lumber.....	12,600		12,600	370,800	370,800
Nonmetallic minerals.....			2,189		16,700
Coal, soft.....	1,669			12,150	
Salt.....		520		4,550	
Ores, metals, and manufactures of, except machinery and vehicles.....			62,690		3,764,139
Iron—pig and bloom.....	59,353			3,472,151	
Iron or steel.....		3,337		291,988	
Machinery and vehicles: Implements and vehicles.....		80	80	32,000	32,000
Total.....	188,622	20,048	208,670		14,393,952
Total receipts and shipments.....	535,122	44,597	579,719		33,002,560

LAKE TRAFFIC.

[Season of navigation: Opened Apr. 3; closed Dec. 20, 1920.]

Vessel classification, 1920.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam.....	4,876	192	5,068	15,881,258	.....
Sail and barge.....	74	6	80	43,459	.....
Motor.....					.....
Total.....	4,950	198	5,148	15,924,717	1,738,111

1 No record of unregistered vessels.

Increase of net registered tonnage, 1920 over 1919..... 2,024,660
 Enrolled tonnage, port of Buffalo, N. Y..... gross tons.. 252,305
 Greatest draft of vessels arrived or departed in 1920..... feet.. 20.4
 Lines of transportation abandoned, the Lehigh Valley Transportation Co.

Coal, grain, and iron ore are largely carried by bulk freighters operated generally by corporations. A cargo of 14,614 net tons of hard coal was carried by the steamer *Henry G. Dalton*, Buffalo to Duluth, the largest ever shipped. The largest wheat cargo received was that of the steamer *Wm. P. Snyder, Jr.*, 449,674 bushels. The Great Lakes Transit Corporation operates 24 package freight steamers; the Detroit & Cleveland Navigation Co. operates 2 steamers, and the Cleveland & Buffalo Transit Co. operates 3 steamers. These lines also carry passengers.

SUMMARY.

Class of commodity.	Foreign.				Domestic (by lake).			
	Imports.		Exports.		Receipts.		Shipments.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	8	\$1,335			4,382	\$4,326,450		
Vegetable food products.....	1,604,073	116,828,948	16,318	\$1,194,010	1,968,264	149,830,030	44,429	\$8,827,152
Textiles.....					1,323	928,100		
Wood and paper.....					27,043	985,249		
Nonmetallic minerals.....	51,552	412,021	277,556	2,844,538	1,787,157	2,502,481	3,442,994	35,537,259
Ores, metals, etc.....			2,010	117,585	8,633,080	68,062,438	28,351	1,617,510
Machinery and vehicles.....			13	2,800	19,203	31,077,000	15,264	20,478,800
Unclassified.....			250	21,875	40,863	9,194,175	130,490	29,330,250
Total.....	1,655,633	117,242,304	296,147	4,180,808	12,481,315	266,903,923	3,661,528	95,820,971

Class of commodity.	Domestic (by canal).				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products.....					4,390	\$4,327,785
Vegetable food products.....	91,309	\$15,514,481	131,111	\$10,210,313	3,855,504	302,404,984
Textiles.....	70	14,000			1,393	940,100
Wood and paper.....	346	77,850	12,600	370,800	39,989	1,433,989
Nonmetallic minerals.....	263,442	344,764	2,189	16,700	5,824,890	41,657,763
Ores, metals, etc.....	6,575	575,313	62,690	3,764,139	8,732,706	74,136,985
Machinery and vehicles.....			80	32,000	31,560	51,590,600
Chemicals.....	475	95,000			475	95,000
Unclassified.....	8,832	1,987,200			180,435	40,563,500
Total.....	371,049	18,608,608	208,670	14,393,952	18,674,312	517,150,566

BLACK ROCK CHANNEL AND TONAWANDA HARBOR, N. Y.

Comparative statement of traffic.

Year.	Lake Erie and Niagara River.			New York Barge Canal.	
	Tons.	Value.	Passengers.	Tons.	Value.
1890.....	2,001,209	(1)	(3)	775,729	(1)
1891.....	901,997	(1)	(3)	649,684	(1)
1892.....	996,370	(1)	(3)	584,212	(1)
1893.....	860,142	(1)	(3)	550,864	(1)
1894.....	838,267	(1)	(3)	436,260	(1)
1895.....	894,408	(1)	(3)	403,358	(1)
1896.....	1,015,390	(1)	(3)	384,899	(1)
1897.....	1,242,495	(1)	(3)	502,527	(1)
1898.....	1,122,877	(1)	(3)	453,998	(1)
1899.....	1,151,602	(1)	(3)	415,051	(1)
1900.....	962,026	(1)	(3)	399,437	(1)
1901.....	1,080,304	(1)	(3)	818,566	(1)
1902.....	975,253	(1)	(3)	646,734	(1)
1903.....	1,107,898	(1)	(3)	373,492	(1)
1904.....	906,820	(1)	(3)	293,538	(1)
1905.....	1,157,564	(1)	(3)	841,937	(1)
1906.....	1,064,030	(1)	(3)	277,952	(1)
1907.....	905,469	(1)	(3)	256,301	(1)
1908.....	734,255	(1)	(3)	209,490	(1)
1909.....	990,898	(1)	(3)	239,085	(1)
1910.....	907,044	\$7,492,868	574,504	249,818	(1)
1911.....	1,104,392	10,607,292	772,918	371,579	(1)
1912.....	1,210,390	12,558,436	663,491	452,638	\$4,525,750
1913.....	1,179,510	11,122,238	534,075	267,883	4,140,153
1914.....	675,050	6,510,823	698,184	186,334	2,901,244
1915.....	967,487	6,874,928	(3)	182,695	2,422,889
1916.....	980,610	7,987,508	365,441	149,307	2,674,778
1917.....	813,547	8,952,058	160,049	143,149	3,575,286
1918.....	2,659,227	21,685,862	12,318	81,291	2,415,117
1919.....	1,778,694	29,156,906	92,535	337,358	881,901
1920.....	1,583,154	9,741,001	77,300	290,774	1,927,967

¹ No statistics available.

² No passengers carried.

³ Exclusive of cargoes in transit via New York Barge Canal, viz, 304,933 tons, value \$31,048,895.

[Season of navigation: Opened May 8, closed Dec. 4, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper.....		65,285		\$1,922,696
Posts.....	1		\$19	
Lumber.....	65,204		1,918,849	
Lath.....	80		3,828	
Machinery and vehicles: Machinery.....	25	25	10,000	10,000
Total.....		65,310		1,932,696
EXPORTS.				
Wood and paper: Shingles.....	1	1	70	70
Nonmetallic minerals: Coal, hard.....	5,005	5,005	51,451	51,451
Total.....		5,006		51,521
Total imports and exports.....		70,316		1,984,217

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, LAKE TRAFFIC.							
Wood and paper			89,981		\$2,642,125	Miles.	MUs.
Lumber	87,785			\$2,581,885		799	5.384
Lumber, hemlock	2,196			60,240		1,001	4.130
Nonmetallic minerals: Limestone	126,421		126,421	178,344	178,344	530	1.638
Ores, metals, and manufactures of, except machinery and vehicles			613,063		4,222,698		
Iron ore	602,695			3,616,170		861	1.254
Pig iron	10,368			606,528		1,001	2.497
Total	829,465		829,465		7,043,167		
SHIPMENTS, LAKE TRAFFIC.							
Wood and paper: Lumber	875		875	25,750	25,750	274	1.512
Nonmetallic minerals: Coal, soft	75		75	546	546	274	1.897
Unclassified: Merchandise		103	103	23,175	23,175	269	1.487
Total	950	103	1,053		49,471		
Total, receipts and shipments, lake traffic	830,415	103	830,518		7,092,638		
RECEIPTS, LOCAL TRAFFIC.							
Vegetable food products, oil seeds, expressed oils, and beverages:							
Oil		1	1	49	49		
Wood and paper			25		580		
Lumber, oak	7			280			
Piling	18			300			
Nonmetallic minerals			2,659		19,596		
Coal, soft	2,268			16,511			
Sand, molding	150			375			
Cement		95		1,250			
Clay, fire	146			1,460			
Chemicals: Glycerin		3	3	1,620	1,620		
Unclassified: Merchandise		37	37	8,325	8,325		
Total	2,599	136	2,725		30,170		
SHIPMENTS, LOCAL TRAFFIC.							
Wood and paper: Lumber	3		3	103	103		
Nonmetallic minerals			678,933		573,085		
Coal, soft	843			6,137			
Concrete blocks		140		1,320			
Stone	950			712			
Sand and gravel	676,550			563,791			
Sand, molding	450			1,125			
Ores, metals and manufactures of, except machinery and vehicles			589		47,188		
Pig iron	150			8,775			
Iron, manufactured		159		13,913			
Iron pontoons		280		24,500			
Machinery and vehicles: Machinery		10	10	4,000	4,000		
Chemicals: Chlorine gas tanks		60	60	9,600	9,600		
Total	678,946	649	679,595		633,976		
Total, receipts and shipments, local traffic	681,535	785	682,320		664,146		

[Season of navigation: Opened May 8, 1920; closed Dec. 4, 1920.]

Vessel classification, 1920.

[Port of Tonawanda and North Tonawanda, N. Y.]

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam.....	127	27	154	75,447	
Sail and barge.....	113	3	116	66,113	
Motor.....	1		1	10	
Total.....	241	30	271	141,570	77,300

No record of unregistered vessels.

Decrease of net registered tonnage, 1920 under 1919.....	9,483
Value of imports, by lake, free.....	\$1,753,654
Value of exports, lake.....	\$2,442
Greatest draft of vessels arrived or departed in 1920.....feet..	19

NEW YORK STATE BARGE CANAL.

[Season of navigation: Opened May 1; closed Dec. 1, 1920.]

The following statistics of the Erie Canal commerce of Tonawanda, N. Y., for the calendar year 1920 have been compiled from information furnished by the superintendent of public works, State of New York:

Canal clearances..... 137

DOMESTIC, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS.					
Nonmetallic minerals.....			3,660		\$5,526
Stone.....	1,154			\$866	
Sand.....	1,154			961	
Gravel.....	1,152			1,066	
Cement-lime.....		200		2,633	
Machinery and vehicles: Machinery.....		200	200	80,000	80,000
Unclassified: Merchandise.....		1,934	1,934	435,150	435,150
Total.....	3,460	2,334	5,794		520,676
SHIPMENTS.					
Vegetable food products, oil seeds, expressed oil, and beverages.....			2,039		124,007
Barley.....	801			34,710	
Rye.....	963			68,130	
Wheat.....	275			20,167	
Wood and paper.....			22,205		888,804
All other unmanufactured wood.....	1,563			281,340	
Lumber.....	20,642			607,464	
Nonmetallic minerals: Sandstone and gravel.....	258,740		258,740	226,964	226,964
Ores, metals, and manufactures of, except machinery and vehicles.....			1,996		167,516
Iron, pig and bloom.....	246			14,391	
Iron or steel.....		1,750		153,125	
Total.....	283,230	1,750	284,980		1,407,291
Total receipts and shipments.....	286,690	4,084	290,774		1,927,967

Cargoes in transit, New York Barge Canal traffic, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
DOWN BOUND.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			130,827		\$10,107,057
Barley.....	3,281			\$142,177	
Malt.....		4,833		454,870	
Oats.....	1,091			58,640	
Rye.....	48,032			3,448,011	
Wheat.....	59,539			4,366,194	
Flour.....		12,951		1,489,365	
Oil cake.....		850		57,800	
Sugar.....		250		90,000	
Wood and paper: Lumber.....	4,938		4,938	145,753	145,753
Nonmetallic minerals.....			2,073		89,138
Coal, hard.....	23			236	
Coal, soft.....	1,076			7,933	
Sulphur.....		335		75,375	
Salt.....		639		5,594	
Ores, metals, and manufactures of, except machinery and vehicles.....			47,982		2,906,884
Pig iron.....	44,537			2,605,447	
Iron.....		3,445		301,437	
Machinery and vehicles.....			332		162,800
Machinery.....		307		122,800	
Automobile bodies.....		25		40,000	
Unclassified: Merchandise.....		339	339	76,275	76,275
Total, down bound.....	102,517	23,974	186,491		13,437,907
BOUND UP.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			89,327		14,887,223
Rye.....	360			25,843	
Flour.....		100		11,500	
Castor-oil beans.....		530		58,000	
Flaxseed.....	75,611			10,423,517	
Oil.....		627		30,723	
Sugar.....		12,049		4,337,640	
Other vegetable products, except fibers and wood.....			298		67,275
Rosin.....		285		64,125	
Flower bulbs.....		3		900	
Tobacco.....		10		2,250	
Textiles: Twine.....		780	780	234,000	234,000
Nonmetallic minerals.....			17,572		224,265
Asphalt.....		1,343		47,005	
Paving stone.....	250			188	
Stone.....	500			375	
Sand.....	3,321			2,770	
Sand, molding.....	930			1,163	
Cement.....		507		6,670	
Clay, fire.....	8,523			85,230	
Sulphur.....		285		64,125	
Salt.....		1,913		16,739	
Ores, metals, and manufactures of, except machinery and vehicles.....			812		136,675
Iron.....		562		49,175	
Copper.....		250		87,500	
Chemicals.....			2,376		374,225
Nitrate ammonia.....		350		78,750	
Nitrate soda.....		308		68,850	
Soda ash.....		895		44,750	
Paint.....		165		37,125	
Whiting.....		310		69,750	
Fireworks.....		350		75,000	
Unclassified: Merchandise.....		7,277	7,277	1,637,325	1,637,325
Total up bound.....	89,495	28,947	118,442		17,560,968
Total, up and down bound.....	252,012	52,921	304,933		31,048,895

Cargoes in transit, New York Barge Canal traffic—Continued.

SUMMARY, 1920.

Classes of commodities.	Foreign.				Domestic.			
	Imports.		Exports.		By lake and Niagara River.			
					Receipts.		Shipments.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products.....								
Wood and paper.....	65,285	\$1,922,696	1	\$70	89,981	\$2,642,125	875	\$25,750
Nonmetallic minerals.....			5,005	51,451	126,421	178,344	75	546
Ores and metals.....					613,063	4,222,698		
Machinery and vehicles.....	25	10,000						
Chemicals.....								
Unclassified.....							103	23,175
Total.....	65,310	1,932,696	5,006	51,521	829,465	7,043,167	1,063	49,471

Classes of commodities.	Domestic.				Totals, lake and canal.	
	By lake and Niagara River.		By barge canal.			
	Other domestic.		Receipts and shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products.....	1	\$49	2,039	\$124,007	2,040	\$124,056
Wood and paper.....	28	683	22,205	888,804	178,375	5,490,128
Nonmetallic minerals.....	681,592	592,681	262,400	232,490	1,075,493	1,055,512
Ores and metals.....	599	47,188	1,996	167,516	615,648	4,437,402
Machinery and vehicles.....	10	4,000	200	80,000	235	94,000
Chemicals.....	63	11,220			63	11,220
Unclassified.....	37	8,325	1,934	435,150	2,074	466,650
Total.....	682,320	664,146	290,774	1,927,967	1,873,928	11,668,968

NIAGARA RIVER, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910.....	93,474	\$396,873	1916.....	50,000	\$300,000
1911.....	71,984	437,875	1917.....	33,734	210,838
1912.....	130,815	391,368	1918.....	94,756	155,600
1913.....	201,554	783,150	1919.....	139,500	93,000
1914.....	82,694	330,776	1920.....	122,423	116,936
1915.....	70,934	354,690			

Comparative statement of freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.
	By commodities.			By commodities.	By classes.	
	Bulk.	Package.	By classes.			
RECEIPTS, INTERNAL.						
Nonmetallic minerals: Sand and gravel	122,363	.....	122,363	\$107,336	\$107,336	<i>Miles.</i> 16
SHIPMENTS, INTERNAL.						
Chemicals: Liquid chlorine		60	60	9,600	9,600	.....
Total receipts and shipments	122,363	60	122,423	116,936	116,936	.....

SUMMARY.

Classes of commodities.	Tons.	Value.
Nonmetallic minerals.....	122,363	\$107,336
Chemicals.....	60	9,600
Total.....	122,423	116,936

[Season of navigation: Opened May 15, closed Nov. 1.]

Vessel classification, 1920.

There were no entrances or clearances of vessels. Suction dredges transporting sand and gravel excavated from the bed of Niagara River are not required to report. Greatest draft of vessels arrived or departed in 1920, 12 feet.

Prior to 1918 the principal commerce of the port was the receipt of pulpwood for the paper mills at Niagara Falls, partly from American and partly from Canadian ports. Scows, canal boats, and suction dredges transport the local commerce.

The passenger business which, prior to 1918 consisted of excursions from Buffalo, was entirely suspended during the regular summer season, June to September, 1920.

BLACK ROCK CANAL AND LOCK AND FERRY STREET BRIDGE, BUFFALO, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914.....	823,320	\$3,295,000	(1)	1918.....	1,647,593	\$20,928,429	5,932
1915.....	1,715,333	6,414,379	16,161	1919.....	1,506,779	28,449,101	8,645
1916.....	1,908,769	8,125,132	11,536	1920.....	1,888,087	40,739,896	14,020
1917.....	1,632,846	8,579,217	7,309				

(1) No statistics available.

[Season of navigation: Apr. 21 to Dec. 31, 1921.]

Vessel passages, 1920.

Classes.	Down bound.		Upbound.		Total.	
	Num-ber.	Net ton-nage.	Num-ber.	Net ton-nage.	Num-ber.	Net ton-nage.
Registered:						
Steamers.....	1,191	302,711	1,916	586,973	3,107	1,099,684
Tow barges.....	378	164,017	541	238,774	919	402,791
Total.....	1,569	666,728	2,457	825,747	4,026	1,502,475
Barge canal steamers and barges.....	757	105,227	726	99,039	1,483	204,266
Unregistered motor boats, etc.....	1,031	.....	1,651	.....	2,705	.....
Grand total.....	3,390	771,955	4,834	924,786	8,214	1,706,741

Passengers:	
Down bound.....	4,077
Upbound.....	9,943
Total.....	14,020

Lockages:	
Down bound.....	1,607
Upbound.....	2,252
Total.....	3,859

Bridge lifts, total.....	2,503
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Passages:	
Down bound.....	1,939
Upbound.....	2,570
	4,509

Freight traffic.

That passing through the Black Rock Lock, both bound down and bound up, is the same as given under the head of "By Lake Erie and Niagara River" in commercial statistics for Black Rock Channel and Tonawanda Harbor, N. Y.

Number of vessels passing International Bridge, Niagara River, 1920:

Steamers.....	2,003
Barges.....	670

Total.....	2,673
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Season of navigation: Apr. 22 to Dec. 31, 1920.....days.. 253

Number of times bridge was opened during season..... 1,860

Average number of times bridge was opened per day..... 7.3

CHARLOTTE, N. Y.

Comparative statement of traffic.

Year.	By lake and internal.			Car ferry. ¹	
	Short tons.	Value.	Passengers.	Short tons.	Value.
1894	380,392	(?)	40,499		
1895	399,417	(?)	58,735		
1896	444,557	(?)	50,992		
1897	385,691	(?)	48,402		
1898	483,850	(?)	47,064		
1899	447,428	(?)	53,499		
1900	309,606	(?)	73,548		
1901	549,207	(?)	(?)		
1902	557,690	(?)	(?)		
1903	569,169	(?)	(?)		
1904	554,212	(?)	(?)		
1905	597,996	(?)	(?)		
1906	432,709	(?)	(?)		
1907	701,916	(?)	(?)		
1908	709,950	(?)	(?)		
1909	873,337	\$2,047,973	(?)		
1910	973,233	2,363,228	(?)		
1911	940,472	2,454,600	(?)		
1912	1,130,861	2,914,554	(?)		
1913	1,431,914	4,231,218	(?)		
1914	950,279	2,895,415	31,383		
1915	1,073,992	3,065,832	31,410		
1916	1,101,135	3,441,149	232,512	140,904	\$2,347,879
1917	1,481,208	5,620,654	(?)	157,093	4,658,025
1918	842,655	3,453,382	22,506	839,120	7,224,912
1919	210,504	908,984	29,480	624,957	5,001,307
1920	526,991	3,035,651	47,127	949,157	13,492,040

¹ No statistics are available for separation of passengers by car ferry.² No statistics available.³ Includes 142,334 tons, value \$974,987, internal traffic.

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals: Bituminous coal	384,657	384,657	\$2,060,664	\$2,060,664

CAR-FERRY TRAFFIC.

IMPORTS.				
Animals and animal products, except wool and hair		181		\$78,539
Horses	64			\$4,300
Beef and veal	131			51,377
Pork	1			1,117
Mutton and lamb	9			4,599
Meat and meat products	1			1,044
Canned meats	1			1,119
Butter	14			2,152
Leather	2			1,510
Leather, patent	5			9,700
Gelatin	1			907
Gluestock	224			1,014
Vegetable food products		2,3984		106,798
Hay	394			11,867
Peas	10			2,077
Potatoes, white	824			2,671
Fruits, fresh	625			23,250
Fruit juices	1,285			65,884
Maple sugar	2			1,049

Freight traffic, 1920—Continued.

CAR-FERRY TRAFFIC—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Textiles.....		239		\$78, 138
Cotton waste.....	170		\$47, 467	
Cotton rags.....	49		7, 648	
Cotton, manufactures of.....	1		1, 023	
Wool.....	19		22, 000	
Wood and paper.....		119, 070½		1, 343, 614
Lumber.....	11, 800		295, 411	
Manufactures of wood.....	10		9, 085	
Empty wooden cases.....	34		971	
Pulpwood.....	102, 918		567, 194	
Printing paper.....	4, 315½		466, 910	
Paper envelopes.....	4		662	
Paper, coated.....	23		3, 381	
Nonmetallic minerals.....		465½		11, 643
Cement, hydraulic.....	415½		3, 634	
Asbestos, unmanufactured.....	50		8, 009	
Ores, metals, and manufactures of.....		16, 249		3, 322, 347
Iron ores.....	14, 820½		82, 249	
Iron scrap.....	62		693	
Steel billets (munitions).....	1, 047		3, 164, 876	
Aluminum, manufactures of.....	52		31, 000	
Brass scrap.....	25		6, 128	
Brass cores.....	35½		2, 710	
Tin cores.....	4		163	
Oil drums, empty.....	190		22, 788	
Gold and silver sweepings.....	4		9, 843	
Other manufactures of metals.....	9		1, 837	
Machinery and vehicles.....		34		8, 644
Lathes.....	1		686	
Machinery.....	1		670	
Electrical appliances.....	1½		3, 795	
Signal poles.....	30		2, 293	
Tractors, farm.....	1		1, 200	
Chemicals.....		2, 214		37, 856
Soda ash.....	5		152	
Chemicals.....	2		1, 220	
Talcum powder.....	\$, 207		36, 484	
Unclassified.....		1, 861½		734, 157
Cameras and parts.....	4		2, 344	
Films.....	571		571, 967	
Household and personal effects and miscellaneous.....	790		159, 846	
Total.....		142, 203		5, 722, 036
EXPORTS.				
Animals and animal products, except wool and hair.....		100		51, 848
Grease.....	18		4, 866	
Upper leather.....	13		10, 324	
Manufactures of leather.....	5		4, 533	
Gelatin.....	64		32, 125	
Vegetable food products.....		10, 109		193, 885
Fruits.....	25		1, 820	
Cottonseed oil, crude.....	19		7, 400	
Molasses.....	10, 065		184, 665	
Textiles: Manufactures of hair.....	27	27	21, 671	21, 671
Wood and paper.....		275		116, 110
Tissue paper.....	28		7, 322	
Carbon paper.....	37		33, 644	
Paper board.....	190		48, 427	
Paper bags.....	8		2, 624	
Books.....	12		24, 102	
Nonmetallic minerals.....		787, 454		4, 516, 605
Coal, anthracite.....	24, 883		211, 277	
Coal, bituminous.....	758, 946		4, 065, 780	
Coke.....	1, 626		27, 588	
Lubricating oil.....	980		131, 233	
Lubricating grease.....	72		11, 417	
Glass containers.....	7		1, 354	
Plate glass, unsilvered.....	60		46, 847	
Window glass.....	13		4, 553	
Fire-clay brick.....	867		16, 506	

Freight traffic, 1920—Continued.

CAR-FERRY TRAFFIC—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Ores, metals, and manufactures of.....		7,989		\$1,056,278
Steel, semifinished.....	1,301		\$60,983	
Iron and steel bars.....	302		48,618	
Iron and steel sheets.....	851		105,115	
Tin plate.....	1,337		189,826	
Structural iron.....	107		3,639	
Boiler tubes.....	180		28,052	
Switches.....	23		15,961	
Wrought-iron pipe.....	27		13,732	
Castings.....	1,784		249,833	
Bolts.....	209		13,796	
Manufactures of iron and steel.....	1,856		317,148	
Quicksilver.....	12		9,575	
Machinery and vehicles.....		59		71,769
Machinery.....	50		38,696	
Telephone apparatus.....	5		27,865	
Pumps.....	4		5,208	
Chemicals: Pyroxylin.....	20	20	8,634	8,634
Unclassified.....		921		1,733,195
Photographic goods.....	392		782,832	
Moving picture films.....	2		45,874	
Dental goods.....	15		36,602	
Scientific instruments.....	12		14,694	
Household effects.....	81		16,266	
Miscellaneous.....	419		836,927	
Total.....		806,954		7,770,004
Total imports and exports.....		949,157		13,492,040

DOMESTIC, 1920.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton.
	By commodities.	By classes.	By commodities.	By classes.		
SHIPMENTS, INTERNAL.						
Nonmetallic minerals: Coal, bituminous..	142,334	142,334	\$974,987	\$974,987	Miles. 147	Mills. 5

SUMMARY, 1920.

Classes of commodities.	Foreign exports.		Domestic shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals.....	384,657	\$2,060,664	142,334	\$974,987	526,991	\$3,035,651

Car ferry:
Short tons, 949,157.
Value, \$13,492,040.

Vessel classification, 1920.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam.....	370	1,612	1,982	4,479,931	47,127
Sail and barge.....	29	48	77	54,160	
Motor.....					
Total.....	399	1,660	2,059	4,534,091	47,127

Increase of net registered tonnage, 1920 over 1919..... 1,053,978

Amount of revenue collected, calendar year 1920, lake commerce..... \$21,128.92

Value of imports:

By lake, free..... 5,504,067

By lake, dutiable..... 217,969

Total..... 5,722,036

Value of exports, lake..... 9,830,668

Enrolled tonnage (gross tons), port of Rochester, N. Y., 1,656.

Greatest draft of vessel arrived or departed in 1920, 19 feet.

About 74 per cent of the tonnage and 88 per cent of tonnage value in and out of Charlotte Harbor is carried by Canadian car ferry between Charlotte, N. Y., and Co-bourg, Ontario. The maximum draft of these vessels is 19 feet, but ordinary draft is 16 to 18 feet.

Most of the balance of traffic is the shipment of bituminous coal to St. Lawrence River Points, which is largely carried in Canadian vessels. These vessels draw from 14 to 17 feet.

GREAT SODUS BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894.....	77,471	(1)	1908.....	73,989	(1)
1895.....	43,566	(1)	1909.....	34,577	\$106,262
1896.....	36,361	(1)	1910.....	37,555	104,205
1897.....	53,548	(1)	1911.....	55,693	169,824
1898.....	79,709	(1)	1912.....	56,874	156,464
1899.....	78,885	(1)	1913.....	65,137	175,803
1900.....	84,379	(1)	1914.....	47,673	140,464
1901.....	57,735	(1)	1915.....	51,958	151,618
1902.....	26,726	(1)	1916.....	190,889	665,441
1903.....	18,875	(1)	1917.....	103,247	460,894
1904.....	30,797	(1)	1918.....	35,932	164,967
1905.....	46,251	(1)	1919.....	165,772	622,356
1906.....	58,905	(1)	1920.....	19,636	123,971
1907.....	71,157	(1)			

¹ No statistics available.

[Navigation season: Opened Apr. 1: closed Nov. 30.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals.....		19,634		123,916
Anthracite coal.....	560		6,067	
Bituminous coal.....	19,074		117,849	
Total.....		19,634		123,916

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
SHIPMENTS, INTERNAL.				
Vegetable food products.....		2		\$55
Apples.....	1½		\$39	
Peaches.....	½		25	
Total internal.....	2	2		55

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Total.
Vegetable food products.....			2	\$55	2	\$55
Nonmetallic minerals.....	19,634	\$123,916			19,634	123,916
Tot l.....	19,634	123,916	2	55	19,636	123,971

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steam.....	16	36	52	12,829
Sail and barge.....		21	21	7,430
Total.....	16	57	73	20,259

No record of unregistered vessels.

Decrease of net registered tonnage, 1920 under 1919, 183,345.

Amount of revenue collected, calendar year 1920, lake commerce, \$474.27.

Value of exports, lake, \$123,916.

Greatest draft of vessels arrived or departed in 1920, 14 feet.

All shipments were foreign and about 80 per cent of the traffic was carried in foreign bottoms. The maximum draft of these vessels was 14 feet.

LITTLE SODUS BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Year.	Value.
1894.....	63,595	(1)	1908.....	153,474	(1)
1895.....	63,708	(1)	1909.....	104,567	\$473,133
1896.....	65,418	(1)	1910.....	112,907	507,603
1897.....	68,888	(1)	1911.....	133,715	582,132
1898.....	50,339	(1)	1912.....	185,187	899,633
1899.....	81,909	(1)	1913.....	116,819	555,728
1900.....	59,511	(1)	1914.....	133,968	643,775
1901.....	135,119	(1)	1915.....	130,708	632,670
1902.....	52,543	(1)	1916.....	129,570	677,064
1903.....	120,692	(1)	1917.....	158,816	878,656
1904.....	137,258	(1)	1918.....	112,769	671,238
1905.....	105,298	(1)	1919.....	92,719	718,811
1906.....	103,991	(1)	1920.....	132,625	1,149,923
1907.....	99,939	(1)			

¹ No statistics available.

[Navigation season: Opened Apr. 1; closed Nov. 30.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Hay.....	109	109	\$2,391	\$2,391
EXPORTS.				
Nonmetallic minerals: Anthracite coal.....	132,516	132,516	1,147,532	1,147,532
Total imports and exports.....		132,625		1,149,923

SUMMARY.

Classes of commodities.	Foreign.				Total.	
	Imports.		Exports.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Vegetable food products.....	109	\$2,391			109	\$2,391
Nonmetallic minerals.....			132,516	\$1,147,532	132,516	1,147,532
Total.....	109	2,391	132,516	1,147,532	132,625	1,149,923

[Season of navigation: Opened Apr. 1; closed Nov. 30.]

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steam.....	105	138	243	71,610
Sail and barge.....	30	62	92	45,071
Total.....	135	200	335	116,681

No record of unregistered vessels.

Increase of net registered tonnage, 1920 over 1919, 40,465.

Amount of revenue collected, calendar year 1920, lake commerce, \$425.38.

Value of imports, by lake, dutiable, \$2,391.

Value of exports, lake, \$1,147,532.

Greatest draft of vessels arrived or departed in 1920, 14 feet.

All receipts and shipments were foreign, and about 80 per cent of the traffic was carried in foreign bottoms. The maximum draft of these vessels was 14 feet.

OSWEGO HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895.....	749,575	(1)	4,956	1908.....	724,187	(1)	(1)
1896.....	783,972	(1)	5,173	1909.....	669,387	\$3,351,702	(1)
1897.....	706,805	(1)	8,918	1910.....	751,363	3,699,146	(2)
1898.....	615,503	(1)	13,302	1911.....	896,965	4,074,845	
1899.....	716,753	(1)	10,139	1912.....	745,422	3,813,862	
1900.....	579,160	(1)	8,712	1913.....	825,981	4,135,003	
1901.....	565,052	(1)	10,000	1914.....	785,299	4,148,610	
1902.....	334,006	(1)	10,000	1915.....	753,942	4,251,055	
1903.....	733,734	(1)	10,000	1916.....	550,266	2,962,414	
1904.....	712,481	(1)	10,000	1917.....	577,696	3,249,333	
1905.....	724,502	(1)	(1)	1918.....	516,111	3,577,377	
1906.....	615,840	(1)	(1)	1919.....	463,749	3,719,041	
1907.....	728,090	(1)	(1)	1920.....	458,761	4,498,946	

¹ No statistics available.

² Estimated.

³ Passenger service discontinued.

⁴ Includes 5,027 tons via New York Barge Canal, value \$121,578.

[Navigation season: Opened Apr. 19; closed Dec. 8.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair:				
Fish, fresh water.....	88	88	\$15,470	\$15,470
Vegetable food products: Hay.....	101	101	2,727	2,727
Wood and paper: Pulp wood.....	17,592	17,592	246,298	246,298
Unclassified: Miscellaneous merchandise.....	32	32	2,845	2,845
Total.....		17,813		267,330
EXPORTS.				
Vegetable food products: Molasses.....	991	991	23,610	23,610
Nonmetallic minerals: Anthracite coal.....	418,676	418,676	3,927,377	3,927,377
Ores, metals, and manufactures of, except machinery and vehicles: Steel wire.....	1	1	800	800
Unclassified: Household effects.....	11	11	25	25
Total.....		419,699		3,956,812
Total imports and exports.....		437,482		4,224,142

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities:	Amount in short tons.		Value.		Average haul.	Rate per ton-mile. ¹
	By commodities.	By classes.	By commodities.	By classes.		
SHIPMENTS, INTERNAL.						
Nonmetallic minerals: Anthracite coal.....	16,252	16,262	\$153,226	\$153,226	Miles. 96	Mills. 10

¹ Estimated.

[Season of navigation: Opened Apr. 19; closed Dec. 8.]

Vessel classification, 1920.

Classes.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steamers.....	290	683	973	304,496
Sail and barges.....	67	568	635	247,761
Total.....	357	1,251	1,608	552,247

No record of unregistered vessels.

Decrease of net registered tonnage, 1920 under 1919, 21,305.

Amount of revenue collected, calendar year 1920, lake commerce, \$4,588.63.

Value of imports:

By lake, free.....	\$263,399
By lake, dutiable.....	3,931

Total..... 267,330

Value of exports, lake..... 3,956,812

Enrolled tonnage, port of Oswego, N. Y., 107,580 gross tons.

Greatest draft of vessels arrived or departed in 1920, 15 feet.

About 96½ per cent of the receipts and shipments were foreign, and about 80 per cent of the traffic in and out of Oswego Harbor is carried in foreign bottoms. The maximum draft of these vessels is 15 feet. The maximum draft of American vessels is 14 feet. A large part of the coal exports goes to Montreal, and the draft of vessels in this trade is limited to 14 feet by the St. Lawrence River canals.

NEW YORK STATE BARGE CANAL, N. Y.

[Season of navigation: Opened May 1; closed Dec. 1.]

The following statistics of the Erie Canal commerce of Oswego, N. Y. for the calendar year 1920 have been compiled from information furnished by the superintendent of public works, State of New York.

[Canal clearances, 35.]

DOMESTIC, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages			70		\$30,100
All others.....		35		\$17,500	
Sugar.....		35		12,600	
Nonmetallic minerals.....			2,048		5,352
Stone.....	583			437	
Sand.....	583			485	
Gravel.....	582			480	
Cement and lime.....		300		3,960	
Ores, metals and manufactures of, except machinery and vehicles: All others.....	400		400	35,000	35,000
Unclassified: Merchandise.....		150	150	33,750	33,750
Total.....	2,148	520	2,668		104,202
SHIPMENTS.					
Animals and animal products, except wool and hair: Other animal products.....		85	85	8,500	8,500
Wood and paper: Lumber.....	241		241	7,092	7,092
Nonmetallic minerals: Sand, stone, and gravel.....	2,083		2,033	1,784	1,784
Total.....	2,274	85	2,359		17,376
Total receipts and shipments.....	4,422	605	5,027		121,578

SUMMARY.

Classes of commodities.	Foreign.				Domestic.	
	Imports.		Exports.		Shipments by lake.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	88	\$15,470				
Vegetable food products	101	2,727	991	\$28,610		
Wood and paper	17,592	246,288				
Nonmetallic minerals			418,676	3,927,377	16,252	\$153,226
Ores, metals, etc.			1	800		
Unclassified	32	2,845	1	25		
Total	17,813	267,330	419,669	3,956,812	16,252	153,226

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	By Barge Canal.				Tons.	Value.
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.		
Animals and animal products.....			85	\$8,500	173	\$23,970
Vegetable food products.....	70	\$30,100			1,162	61,437
Wood and paper.....			241	7,092	17,833	253,380
Nonmetallic minerals.....	2,048	5,352	2,033	1,784	439,009	4,087,739
Ores, metals, etc.....	400	35,000			401	35,800
Unclassified.....	150	33,750			183	36,620
Total.....	2,668	104,202	2,359	17,376	468,761	4,498,946

CAPE VINCENT, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1904.....	20,308	(1)	(1)	1913.....	5,715	\$453,526	17,499
1905.....	21,750	(1)	(1)	1914.....	6,641	371,747	24,392
1906.....	112,501	(1)	(1)	1915.....	4,338	\$277,200	27,219
1907.....	21,946	(1)	(1)	1916.....	2,062	\$362,783	39,920
1908.....	33,573	(1)	(1)	1917.....	6,906	\$275,859	20,172
1909.....	42,077	\$442,233	11,200	1918.....	3,222	\$216,184	21,502
1910.....	33,344	\$488,243	(1)	1919.....	3,094	\$373,232	28,222
1911.....	13,178	\$370,582	12,906	1920.....	3,121	\$368,885	22,344
1912.....	6,737	\$448,922	18,510				

1 No statistics available.

2 Includes 3,605 tons, \$249,873 by ferry.

3 Includes 12,659 tons, \$351,734 by ferry.

4 Includes 4,917 tons, \$296,088 by ferry.

5 Includes 6,737 tons, \$448,922 by ferry.

6 Includes 5,715 tons, \$453,536 by ferry.

7 Includes 6,641 tons, \$371,747 by ferry.

8 Includes 4,338 tons, \$277,200 by ferry.

9 Includes 798 tons, \$321,747 by ferry.

10 Includes 5,826 tons, \$238,124 by ferry.

11 Includes 3,222 tons, \$216,184 by ferry.

12 Includes 3,094 tons, \$373,232 by ferry.

13 Includes 3,121 tons, \$368,885 by ferry.

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS, FERRY TRAFFIC.				
Animals and animal products, except wool and hair.....		1,607		\$257,712
Cattle.....	952		\$50,960	
Horses.....	28		5,419	
Sheep.....	4		585	
Meats, poultry, and eggs: Poultry, dressed.....	10		8,474	
Dairy products: Cream, fresh.....	111		55,404	
Fish, fresh.....	500		134,901	
Other fish products.....	2		1,969	
Vegetable food products.....		883		22,172
Fodders and feed—Hay.....	881		21,546	
Vegetables: Potatoes.....	2		626	
Nonmetallic minerals: Mica and manufactures of.....	5	5	6,669	6,669
Machinery and vehicles: Automobiles, passenger.....	3	3	2,600	2,600
Unclassified: Miscellaneous household effects.....	196	196	19,117	19,117
Total.....		2,594		308,270

1 Estimated.

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS, FERRY TRAFFIC.				
Animals and animal products, except wool and hair.....		10		\$2,520
Horses.....	4		3080	
Fish, fresh.....	3		907	
Shellfish, oysters.....	3		663	
Vegetable food products.....		66		1,927
Fodders and feed—Hay.....	16		413	
Fruits and nuts.....	50		1,514	
Other vegetable products, except fibers and wood:				
Tobacco, manufactures of.....	2	2	3,015	3,015
Textiles: Cotton, unmanufactured.....	3	3	762	762
Wood and paper: Books and maps, etc.—Books and pamphlets.....	5	5	5,907	5,907
Nonmetallic minerals: Coal, bituminous.....	324	324	1,611	1,611
Ores, metals, and manufactures of: Silver, manufactures of.....	1	1	2,486	2,486
Machinery and vehicles: Automobiles, passenger.....	10	10	21,210	21,210
Unclassified: Miscellaneous household effects.....	106	106	21,177	21,177
Total.....		527		60,615
Total imports and exports by ferry.....		3,121		368,885

¹ Estimated.SUMMARY.¹

Classes of commodities.	Foreign.				Total.	
	Imports.		Exports.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	1,607	\$257,712	10	\$2,520	1,617	\$260,232
Vegetable food products.....	883	22,172	66	1,927	949	24,099
Other vegetable products, except fibers and wood.....			2	3,015	2	3,015
Textiles.....			3	762	3	762
Wood and paper.....			5	5,907	5	5,907
Nonmetallic minerals.....	5	6,669	324	1,611	329	8,280
Ores, metals, and manufactures of.....			1	2,486	1	2,486
Machinery and vehicles.....	3	2,600	10	21,210	13	23,810
Unclassified.....	96	19,117	106	21,177	202	40,294
Total.....	2,594	308,270	527	60,615	3,121	368,885

¹ All freight traffic was by ferry.² Estimated.

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam.....		817	817	57,518	14,714
Sail and barge.....	18	502	520	10,758	
Motor.....	20	1,302	1,322		3,680
Total.....	38	2,621	2,659	68,276	22,344

No record of unregistered vessels.

Increase of net registered tonnage, 1920 over 1919.....	41,463
Amount of revenue collected, calendar year 1920, lake commerce.....	\$6,023.91
Value of imports:	
By lake, free.....	\$247,655
By lake, dutiable.....	60,615
	<u>\$308,270.00</u>
Value of exports, lake.....	\$60,615.00
Enrolled tonnage, port of Cape Vincent, N. Y.....	gross tons.. 3,872
Greatest draft of vessels arrived or departed in 1920.....	feet.. 14

Practically all of the traffic which enters and clears at Cape Vincent is by the steam ferry between Cape Vincent and Kingston, Ontario, Canada. A small amount is across-river traffic.

The ferry steamer draws about 9 feet.

The vessels which moor at the breakwater for shelter do not report at the custom house. The tonnage of such vessels is many times that reported for Cape Vincent.

These vessels are both American and Canadian, and draw from 14 to 17 feet.

CLAYTON, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1904.....	293		
1920.....	2,284	\$54,128	12,000

No statistics available from 1905 to 1919.

[Navigation season: Opened Apr. 16; closed Dec. 31.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animal and animal products, except wool and hair.....		95½		\$19,080.20
Cattle.....	40		\$7,990.00	
Sheep.....	1		180.00	
Horses.....	17		2,900.00	
Poultry.....	14		958.20	
Fish.....	36		7,062.00	
Vegetable food products.....		19½		3,053.00
Flour.....	94		1,134.00	
Potatoes, white.....	54		182.00	
Sugar.....	44		1,737.00	
Wood and paper: Lumber.....	64	64	1,446.32	1,446.32
Nonmetallic minerals.....		4		120.00
Cement, Portland.....	3		80.00	
Plaster.....	1		40.00	
Ores, metals, and manufactures of, except machinery and vehicles.....		5½		998.60
Castings, malleable.....	4		753.60	
Nails.....	14		245.00	
Unclassified: Household effects, etc.....	30	30	6,089.88	6,089.88
Total.....		218½		30,788.00
EXPORTS.				
Unclassified: Miscellaneous.....	6	6	1,272.00	1,272.00
Total exports and imports.....		224½		32,060.00

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL.						
Nonmetallic minerals: Coal, anthracite....	2,059½	2,059½	\$22,068	\$22,068	Miles. 63	Mills. 27

SUMMARY.

Classes of commodities.	Foreign.				Domestic.		Total.	
	Imports.		Exports.		Receipts.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	95½	\$19,080.20					95½	\$19,080.20
Vegetable food products.....	19½	3,053.00					19½	3,053.00
Wood and paper.....	64	1,446.32					64	1,446.32
Nonmetallic minerals.....	4	120.00			2,059½	\$22,068	2,063½	22,188.00
Ores, metals, and manufactures of.....	5½	998.60					5½	998.60
Unclassified.....	30	6,089.88	6	\$1,272.00			36	7,361.88
Total.....	218½	30,788.00	6	1,272.00	2,059½	22,068	2,284	54,128.00

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American	Foreign.	Total.		
Registered: Steam.....	71	494	565	407,778	12,000

No record of unregistered vessels.

Increase of net registered tonnage, 1920 over 1919, tons..... 51,942

Amount of revenue collected calendar year, 1920: lake commerce..... \$2,647.80

Value of imports:

By lake, free..... \$40,067.00

By lake, dutiable..... 12,495.00

52,556.00

Value of exports, by lake..... 1,272.00

Greatest draft of vessels arrived or departed in 1920, feet..... 14

No new lines of transportation established.

No new lines of transportation abandoned.

The principal traffic is carried on by boats of the Canada Steamship Lines, there being one boat daily both up and down the river during the season which begins about June 15 and extends to about September 15. These boats draw about 12 feet. There are also smaller steamboats trading between Clayton and Alexandria Bay, N. Y., and Clayton and Gananoque, Canada; also a great many motor boats which run from Clayton to the numerous island resorts on St. Lawrence River. These motor boats are largely privately owned, but many are operated for the convenience of passengers to and from the islands.

ALEXANDRIA BAY, N. Y.

Comparative statement of traffic.

Year.	By lake.		
	Tons.	Value.	Passengers.
1920.....	6,304	\$99,982	31,705

No statistics available prior to 1920.

[Navigation season : Opened Apr. 4; closed Nov. 19.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		5		\$2,550
Dairy products—Butter.....	1		\$1,350	
Fish, fresh.....	4		1,200	
Vegetable food products: Potatoes.....	9	9	300	300
Wood and paper.....		52		2,046
Lumber.....	49		1,806	
Shingles.....	3		240	
Unclassified: Miscellaneous merchandise.....	103	103	3,784	3,784
Total.....		169		8,680
EXPORTS.				
Nonmetallic minerals: Coal, anthracite.....	91	91	1,361.00	1,361.00
Machinery and vehicles.....		11		19,910.00
Motors.....	1		280.00	
Motor boats.....	10		19,650.00	
Total.....		102		21,271.00
Total imports and exports.....		271		29,951.00

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL.						
Nonmetallic materials: Coal, anthracite...	6,033	6,033	\$70,031	\$70,031	Miles. 80	Miles. 20

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.		Total.	
	Imports.		Exports.		Receipts.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	5	\$2,550					5	\$2,550
Vegetable food products.....	9	300					9	300
Wood and paper.....	52	2,046					52	2,046
Nonmetallic minerals.....			91	\$1,361	6,033	\$70,031	6,124	71,392
Machinery and vehicles.....			11	19,910			11	19,910
Unclassified.....	103	3,784					103	3,784
Total.....	169	8,680	102	21,271	6,033	70,031	6,304	99,982

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam.....	197	286	483	401,333	14,490
Sail and barge.....	8	2	10	447	
Motor.....	1,878	1,565	3,443	227	17,215
Total.....	2,083	1,853	3,936	402,007	31,705

¹ Estimated.

No record of unregistered vessels.

Increase of net tonnage (registered) 1920 over 1919.....	5,251
Amount of revenue collected, calendar year, 1920: Lake commerce.....	\$713.33
Value of imports: By lake, dutiable.....	\$8,680.90
Value of exports, lake.....	\$21,271.00
Greatest draft of vessels arrived or departed in 1920.....feet..	12

No new lines of transportation established.

No lines of transportation abandoned.

Motor boats and passengers carried in them are estimated.

MORRISTOWN, N. Y.

Comparative statement of traffic.

Year.	By lake.			By ferry.		
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.
1920.....	338	\$2,957		1,232	\$396,703	27,258

No statistics available prior to 1920.

Freight traffic, 1920—Continued.

FERRY TRAFFIC.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Animals and animal products except wool and hair.....		1, 205		\$219, 353
Cattle.....	400		\$109, 499	
Sheep.....	25		4, 599	
Horses.....	17		2, 348	
Poultry.....	22		22, 212	
Milk and cream:				
Milk, fresh.....	677		49, 063	
Cream, fresh.....	34		14, 109	
Butter.....	10		11, 134	
Fish: Fresh.....	15		3, 917	
Furs, and manufactures of: Undressed.....	5		11, 472	
Vegetable food products.....		25		5, 189
Potatoes.....	16		7.6	
Sugar.....	9		4, 463	
Machinery and vehicles: Automobiles.....	2	2	12, 000	12, 000
Unclassified: Miscellaneous merchandise.....	(1)	(1)	22, 918	22, 918
Total.....		1, 232		259, 460
Exports, unclassified: Miscellaneous merchandise.....	(1)	(1)	137, 243	137, 243
Total imports and exports.....		1, 232		396, 703

¹ Details of weights of unclassified merchandise unavailable.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Nonmetallic minerals.....			338		\$2,957	Miles.	Mills.
Coal, bituminous.....	338			\$2,957		136	18
Total.....	338		338		2,957		

SUMMARY.

Classes of commodities.	Domestic..	
	Tons.	Value.
Nonmetallic minerals.....	338	\$2, 957

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered: Steam.....	419	2	421	27, 542	27, 258

No record of unregistered vessels.

1196 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

Increase of net registered tonnage, 1920 over 1919.....	1,243
Amount of revenue collected, calendar year, 1920, lake commerce.....	\$2,714.78
Value of imports:	
By lake, free.....	\$213,017.00
By lake, dutiable.....	46,443.00
	<hr/> \$259,460.00
Value of exports, lake.....	137,243.00
Greatest draft of vessels arrived or departed in 1920 (feet).....	10

Several motor boats reported with passengers and baggage, estimated at about 200, with about 1,000 passengers. There were also handled in and out, about 3,600 automobiles. Nearly all of the business done here is by ferry from Brockville, Ontario, except some milk by motor boat from Maitland, Ontario.

OGDENSBURG, N. Y.

Comparative statement.

Year.	By lake and internal.			Car ferry.	
	Short tons.	Value.	Passengers.	Short tons.	Value.
1890.....	630,281	(2)	(2)		
1891.....	699,548	(2)	(2)		
1892.....	625,846	(2)	(2)		
1893.....	906,048	(2)	(2)		
1894.....	736,084	(2)	(2)		
1895.....	663,525	(2)	(2)		
1896.....	896,438	(2)	(2)		
1897.....	866,035	(2)	50,050		
1898.....	645,201	(2)	159,913		
1899.....	670,383	(2)	168,464		
1900.....	646,248	(2)	187,553		
1901.....	439,148	(2)	200,000		
1902.....	837,025	(2)	200,000		
1903.....	1,185,875	(2)	200,000		
1904.....	898,257	(2)	(2)		
1905.....	1,034,085	(2)	(2)		
1906.....	1,056,100	(2)	(2)		
1907.....	1,234,498	(2)	(2)		
1908.....	856,714	(2)	(2)		
1909.....	646,615	(2)	100,000	403,370	\$28,926,753
1910.....	605,685	6,756,138	100,000	398,632	24,060,716
1911.....	423,032	5,122,237	100,000	376,655	14,917,791
1912.....	525,339	12,898,003	100,000	409,053	16,648,480
1913.....	653,094	31,871,810	360,722	349,628	37,014,983
1914.....	591,894	24,939,235	239,670	367,754	32,565,898
1915.....	633,276	22,518,864	259,544	416,544	24,646,077
1916.....	487,367	4,762,655	295,236	551,315	82,687,559
1917.....	361,204	2,672,994	310,102	668,223	83,390,663
1918.....	310,031	1,671,906	215,302	612,581	91,864,562
1919.....	321,929	1,900,735	264,125	388,049	158,207,778
1920.....	288,112	2,452,069	250,000	688,901	129,888,586

¹ No statistics are available for separation of passengers by ferry.

² No statistics available.

³ Estimated.

⁴ Includes 168,292 tons, value \$1,251,295, internal traffic.

[Navigation season: Opened Jan. 1, closed Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Wheat, grain.....	503	503	\$38,541	\$38,541
Wood and paper.....		119,317		1,150,233
Pulp wood.....	108,476		936,581	
Mechanical wood pulp.....	10,841		222,652	
Total.....		119,820		1,197,774

CAR-FERRY TRAFFIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair....		2,848		\$784,689
Cattle.....	1,115		\$229,279	
Sheep.....	130		30,914	
Fish, fresh.....	536		130,960	
Milk and cream, fresh.....	37		17,652	
Condensed milk.....	1,030		375,864	
Vegetable food products.....		3,067		248,130
Barley, malt.....	527		58,997	
Corn.....	130		8,019	
Oats.....	680		40,807	
Rye flour.....	66		5,100	
Wheat—				
Grain.....	1,060		73,577	
Flour.....	404		55,394	
Fodders and feeds—				
Bran and middlings.....	140		5,110	
Other mill feeds.....	60		1,126	
Textiles: Raw silk.....	3,815	3,815	69,456,960	69,456,960
Wood and paper.....		191,561		6,667,839
Pulpwood.....	22,212		191,856	
Sulphite woodpulp.....	51,500		3,520,801	
White pine.....	112,123		2,542,262	
Shingles.....	3,226		125,942	
Newsprint paper.....	2,500		287,028	
Ores, metals, and manufactures of.....		50,624		6,912,317
Copper.....	1,200		525,000	
Nickel matte.....	25,834		6,211,477	
Other minerals.....	23,590		175,840	
Machinery and vehicles: Automobiles, passenger.....	400	400	435,829	435,829
Unclassified: Miscellaneous merchandise.....	170,680	170,680	32,719,207	32,719,207
Total.....		422,995		117,225,021
EXPORTS.				
Unclassified: Miscellaneous merchandise.....	265,996	265,996	12,663,565	12,663,565
Total imports and exports.....		688,991		129,888,586

Freight traffic, 1920--Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL.						
Nonmetallic minerals.....		168,292		\$1,254,295	<i>Miles.</i>	<i>Mills.</i>
Coal, anthracite.....	25,958		\$279,308		115	8
Coal, bituminous.....	142,334		974,987		147	5
Total.....	168,292	168,292		1,254,295		

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic receipts.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products.....	503	\$38,541			503	\$38,541
Wood and paper.....	119,317	1,159,233			119,317	1,159,233
Nonmetallic minerals.....			168,292	\$1,254,295	168,292	1,254,295
Total.....	119,820	1,197,774	168,292	1,254,295	288,112	2,452,069

Car ferry, short tons, 688,991; value, \$129,888,586.

In addition to the above there were carried on the deck of the passenger ferry boat, both ways, 5,400 automobiles to the value of \$5,000,000. These automobiles were not freight, but were the property of passengers who accompanied them.

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam.....	756	14,104	14,860	5,544,049	250,000
Sail and barge.....	33	26	59	39,263	
Total.....	789	14,130	14,919	5,583,312	250,000

No record of unregistered vessels.

Increase of net registered tonnage, 1920 over 1919..... 90,590

Amount of revenue collected, calendar year, 1920, lake commerce..... \$71,565.89

Value of imports:

By lake (free because bonded to other ports)..... \$19,599,250

By lake, free..... 98,091,445

By lake, dutiable..... 465,952

\$118,156,647

Value of exports, lake..... 12,663,565

Greatest draft of vessels arrived or departed in 1920, feet..... 17

Seventy per cent of the tonnage and 98 per cent of tonnage value in and out of Ogdensburg Harbor, N. Y., is carried by Canadian car ferry to Prescott, Ontario. This car ferry draws about 12 feet.

The other traffic consists largely of coal from Lake Ontario ports and pulp wood from the lower St. Lawrence River. Vessels engaged in this traffic draw from 14 to 17 feet.

WADDINGTON, N. Y.

Comparative statement of traffic.

Year.	By lake.			By ferry.		
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.
1920.....	66,742	\$760,470	2,231	(1)	\$16,415	3,361

¹ No statistics available.

. (Navigation season: Opened May 5; closed Nov. 23.)

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper.....		66,742		\$760,470
Pulp wood.....	63,020		\$630,200	
Mechanical wood pulp.....	3,722		130,270	
Total.....		66,742		760,470

FERRY TRAFFIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
Imports, unclassified: Miscellaneous merchandise.....	(1)	(1)	\$16,079	\$16,079
Exports, unclassified: Miscellaneous merchandise.....	(1)	(1)	336	336
Total.....		(1)		16,415

¹ Weights not available.*Vessel classification.*

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered: Steam.....	3	556	559	49,111	5,562

No record of unregistered vessels.

Amount of revenue collected, calendar year 1920, lake commerce..... \$628. 89

Value of imports:

By lake, free (including ferry traffic, \$16,079)..... \$771, 674

By lake, dutiable..... 4, 875

\$776, 549. 00

Value of exports, by lake (including general ferry, \$336)..... \$336. 00

Greatest draft of vessels arrived or departed in 1920.....feet.. 14

LOS ANGELES, CALIF., DISTRICT.

SAN DIEGO HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	¹ 147,856	² \$306,302	()	1906.....	216,761	\$10,523,498	()
1891.....	¹ 210,606	² 1,131,956	()	1907.....	283,559	11,923,000	()
1892.....	¹ 130,063	² 300,502	()	1908.....	250,806	11,191,460	()
1893.....	² 143,908	² 664,061	()	1909.....	265,951	19,065,730	³ 1,102
1894.....	¹ 158,904	² 637,964	()	1910.....	398,048	22,591,487	³ 3,609
1895.....	¹ 149,126	² 167,650	()	1911.....	395,634	41,164,243	80,630
1896.....	109,696	()	()	1912.....	537,674	51,527,542	88,693
1897.....	146,931	()	()	1913.....	631,022	55,840,124	83,904
1898.....	83,910	()	()	1914.....	654,087	60,184,675	78,910
1899.....	135,308	()	()	1915.....	550,848	55,802,880	126,787
1900.....	152,777	()	()	1916.....	720,061	36,706,880	63,916
1901.....	121,130	()	()	1917.....	1,068,531	21,252,419	33,092
1902.....	105,101	()	()	1918.....	494,729	15,323,878	20,510
1903.....	131,706	()	()	1919.....	634,065	23,314,122	22,183
1904.....	121,686	4,002,000	()	1920.....	541,063	17,380,454	14,644
1905.....	169,433	11,614,000	()				

¹ Exclusive of foreign merchandise.² Value of foreign merchandise only.³ Exclusive of foreign and outgoing domestic merchandise.⁴ No statistics available.⁵ To and from foreign ports only.

[Navigation season: Open the entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		1,924		\$307,361
Abalone, canned.....	121		\$56,800	
Abalone meat.....	108		75,320	
Abalone shells.....	69		6,900	
Beeswax.....	13		2,900	
Bone.....	100		2,000	
Clams.....	8		750	
Cheese.....	1		600	
Fish.....	36		3,800	
Fish, canned.....	2		150	
Goats, live.....	26		652	
Guanos.....	846		26,392	
Hides.....	12		23,100	
Leather.....	12		30,750	
Lobsters.....	513		71,846	
Seal oil.....	2		51	
Turtles.....	55		5,450	
Vegetable food products, oil seeds, expressed oils, and beverages.....		1,527		208,010
Barley.....	14		1,050	
Beans.....	407		53,492	
Beer (in bond).....	15		15,400	
Bran.....	343		26,018	
Coffee.....	1		328	
Flour.....	304		29,451	
Grain.....	124		9,845	
Sugar.....	239		66,516	
Vegetables.....	27		1,350	
Wine.....	3		560	
Wheat.....	50		4,000	
Other vegetable products, except fibers and wood.....		131		21,244
Orchilla.....	129		19,350	
Tobacco.....	2		1,874	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Nonmetallic minerals.....		939		\$144,200
Magnesite.....	500		\$12,500	
Onyx.....	439		131,700	
Ores, metals, and manufactures of, except machinery and vehicles: Copper ore.....	100	100	9,000	9,000
Machinery and vehicles: Autos.....	1	1	698	698
Unclassified.....		2,846		667,011
Stationery.....	1		222	
Spirits.....	3		970	
Miscellaneous.....	2,842		665,819	
Total.....		7,468		1,357,524
EXPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages.....		150		23,873
Coffee.....	17		7,093	
Potatoes.....	8		407	
Rice.....	23		2,611	
Sugar.....	66		12,023	
Vegetables.....	36		1,739	
Wood and paper: Lumber.....	6,536	6,536	99,057	99,057
Nonmetallic minerals.....		61		955
Brick.....	1		16	
Cement.....	28		453	
Coal.....	5		90	
Lime.....	10		98	
Salt.....	17		298	
Ores, metals, and manufactures of, except machinery and vehicles: Hardware.....	2	2	304	304
Machinery and vehicles: Autos.....	3	3	3,179	3,179
Unclassified: Miscellaneous.....	1,238	1,238	273,638	273,638
Total.....		7,990		401,006
Total imports and exports.....		15,458		1,758,530

DOMESTIC.

Class and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair.....			1,297		\$472,818
Butter.....		427		\$257,160	
Cheese.....		83		49,900	
Fish.....		310		29,400	
Leather goods.....		23		54,080	
Milk.....		454		82,308	
Vegetable food products, oilseeds, ex- pressed oils, and beverages.....			13,970		2,206,525
Beans.....		277		52,687	
Beer.....		89		19,824	
Canned goods.....		1,000		121,292	
Chocolate.....		167		66,800	
Coffee.....		684		280,316	
Confectionery.....		153		35,213	
Feed.....		1,873		149,864	
Flour.....		3,581		247,374	
Fruit.....		105		15,765	
Groceries.....		1,922		363,857	
Liquors.....		20		8,160	
Mineral water.....		4		304	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE—continued.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages—Contd.					
Olive oil.....		54		\$6,492	
Olives.....		5		495	
Rice.....		580		56,676	
Sugar.....		2,409		605,450	
Vegetables.....		809		38,816	
Whisky.....		114		102,150	
Wine.....		174		35,510	
Other vegetable products, except fibers and wood.....			936		\$1,071,814
Rubber.....		309		422,080	
Rubber goods.....		158		157,284	
Tobacco.....		469		492,450	
Textiles.....			458		206,330
Cordage.....		114		84,820	
Dry goods and clothing.....		344		172,000	
Wood and paper.....			165,676		2,770,256
Furniture.....		366		147,906	
Hardwood.....		14		1,868	
Lumber.....	147,779			2,175,192	
Paper.....		3,436		272,864	
Piling.....	1,600			19,200	
Ties.....	12,480			151,684	
Wood products.....		51		1,552	
Nonmetallic minerals.....			325,159		4,280,163
Bottles, empty.....		182		7,998	
Coal.....	51,560			935,675	
Coal oil.....		303		6,080	
Distillate.....	329			10,000	
Gasoline.....	1,316			51,986	
Glassware.....		37		5,404	
Marble.....	47			7,552	
Oil (lubricating).....		176		13,226	
Oil (fuel).....	271,005			3,238,584	
Salt.....		204		3,668	
Ores, metals, and manufactures of, except machinery and vehicles.....			1,671		292,376
Copper.....		38		22,950	
Pipe.....		339		54,474	
Steel.....		261		33,930	
Hardware.....		963		181,022	
Machinery and vehicles.....			656		432,466
Autos.....		109		106,580	
Auto supplies.....		53		34,965	
Electric goods.....		188		94,150	
Machinery.....		306		194,790	
Chemicals.....			1,162		271,860
Ammunition.....		85		84,301	
Lead.....		69		9,668	
Paint.....		827		124,065	
Soap.....		103		15,450	
Soap powder.....		78		38,376	
Unclassified.....			3,914		1,690,261
Cases, empty.....		19		2,189	
Drums, empty.....		24		1,055	
Household goods.....		244		45,513	
Personal effects.....		22		9,636	
Photo goods.....		54		54,080	
Pianos.....		68		34,150	
Spirits.....		59		16,686	
Stationery.....		107		19,278	
Miscellaneous.....		3,317		1,516,652	
Total.....	486,080	28,819	514,809		13,703,826

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair.....			1, 478		\$197, 896
Honey.....		102		\$35, 770	
Beeswax.....		1		280	
Fish.....		1, 314		131, 330	
Hides.....		51		20, 240	
Leather goods.....		4		9, 635	
Turtles, live.....		6		640	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			3, 115		372, 132
Beans.....		29		5, 415	
Canned goods.....		299		66, 810	
Coffee.....		2		984	
Confectionery.....		66		15, 496	
Flour.....		113		10, 923	
Fruit.....		18		2, 670	
Grapefruit.....		80		12, 752	
Groceries.....		242		45, 942	
Lemons.....		1, 033		137, 025	
Olives.....		129		14, 168	
Olive oil.....		2		192	
Oranges.....		33		4, 980	
Rice.....		10		1, 059	
Vegetables.....		1, 044		50, 126	
Whisky.....		15		13, 560	
Other vegetable products, except fibers and wood.....			215		214, 778
Rubber goods.....		209		208, 583	
Tobacco.....		6		6, 195	
Textiles.....			20		9, 680
Cordage.....		2		630	
Dry goods.....		18		9, 050	
Wood and paper.....			103		13, 584
Furniture.....		20		8, 756	
Paper.....		47		3, 736	
Wood products.....		36		1, 062	
Nonmetallic minerals.....			173		13, 935
Bottles, empty.....		5		233	
Foundry sand.....		57		1, 134	
Glassware.....		3		435	
Granite.....	3			510	
Marble.....	22			3, 520	
Oil (lubricating).....		4		293	
Onyx.....	79			7, 810	
Ores, metals, and manufactures of, except machinery and vehicles.....			138		23, 933
Hardware.....		134		23, 413	
Steel.....		4		520	
Machinery and vehicles.....			258		195, 160
Autos.....		84		83, 332	
Auto supplies.....		84		54, 730	
Machinery.....		90		57, 098	
Chemicals.....			3, 464		488, 621
Ammunition.....		4		3, 592	
Lead.....		2		28	
Paint.....		4		1, 455	
Soap powder.....		3, 454		483, 546	
Unclassified.....			1, 742		388, 318
Barrels, empty.....		26		1, 134	
Cases, empty.....		15		764	
Cylinders, empty.....		39		1, 693	
Drums, empty.....		22		981	
Household goods.....		199		33, 264	
Personal effects.....		19		8, 140	
Pianos.....		3		1, 350	
Stationery.....		9		1, 548	
Miscellaneous.....		1, 410		339, 444	
Total.....	104	10, 602	10, 706		1, 918, 036
Total receipts and shipments, coast- wise.....	496, 184	39, 421	525, 605		15, 621, 924

Commerce in transit, remaining on ships in and out of harbor, but not unloaded there.

Commodities.	Amounts in short tons.	Value.
Lumber.....	7,574	\$115,700
Unclassified.....	31,408	7,066,800
Total.....	38,982	7,182,500

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.	
	Imports.		Exports.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products, except wool and hair.....	1,924	\$307,361	.....	.....	2,775	\$670,713
Vegetable food products, oil seeds, expressed oils and beverages.....	1,527	208,010	150	\$23,873	17,085	2,578,657
Other vegetable products, except fibers and wood.....	131	21,244	.....	.....	1,151	1,286,502
Textiles.....	.....	.....	.....	.....	478	216,000
Wood and paper.....	.....	.....	6,536	99,057	165,779	2,783,840
Nonmetallic minerals.....	939	144,200	61	955	325,332	4,294,008
Ores, metals, and manufactures of, except machinery and vehicles.....	100	9,000	2	304	1,809	316,309
Machinery and vehicles.....	1	698	3	3,179	914	627,655
Chemicals.....	.....	.....	.....	.....	4,626	760,481
Unclassified.....	2,846	667,011	1,238	273,638	5,656	2,067,579
Total.....	7,468	1,357,524	7,990	401,006	525,605	15,621,924

Cargoes in transit, short tons, 38,982; value, \$7,182,500.

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers.....	307	3	310	313,587	13,836
Motors.....	219	126	345	12,334	818
Unrigged.....	27	.....	27	46,852	.....
Total.....	553	129	682	372,773	14,644

LOS ANGELES HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890.....	158,766	(1)	(1)	1906.....	1,007,476	20,245,000	(1)
1891.....	208,831	(1)	(1)	1907.....	1,273,000	32,348,000	(1)
1892.....	245,218	(1)	(1)	1908.....	1,005,697	25,189,300	(1)
1893.....	231,757	(1)	(1)	1909.....	1,425,952	44,402,454	228,632
1894.....	187,558	(1)	(1)	1910.....	1,709,394	47,040,588	268,086
1895.....	38,105	(1)	(1)	1911.....	1,720,711	77,704,843	399,720
1896.....	95,888	(1)	(1)	1912.....	1,867,088	86,468,264	399,415
1897.....	225,675	(1)	(1)	1913.....	1,727,876	94,296,762	222,989
1898.....	223,575	(1)	(1)	1914.....	1,734,752	76,696,764	377,208
1899.....	239,743	(1)	(1)	1915.....	1,948,084	88,651,408	517,951
1900.....	253,855	(1)	(1)	1916.....	2,014,425	61,105,441	396,703
1901.....	486,788	(1)	(1)	1917.....	2,409,046	87,843,671	288,917
1902.....	595,148	(1)	(1)	1918.....	2,091,056	87,758,926	219,243
1903.....	769,404	(1)	(1)	1919.....	3,152,005	114,491,782	351,730
1904.....	845,220	\$9,000,000	(1)	1920.....	4,340,074	188,330,169	530,580
1905.....	1,087,557	42,700,000	(1)				

1 No statistics available.

In 1910, due to the consolidation of the cities of San Pedro and Wilmington with Los Angeles, the names of San Pedro Harbor and Wilmington Harbor were changed to Los Angeles Harbor.

[Navigation season, open entire year.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		2,052		\$228,258
Bones, and manufactures of.....	31		\$874	
Cheese.....	1		566	
Eggs.....	1		377	
Eggs, dried albumen.....	10		19,191	
Fish.....	1,842		179,589	
Grease.....	6		980	
Hides and leather manufactures.....	16		16,662	
Ivory and manufactures.....	1		884	
Live stock.....	110		1,759	
Shells.....	33		7,119	
Tallow.....	1		277	
Vegetable food products, oil seeds, expressed oils and beverages.....		16,790		956,567
Breadstuffs, bread and biscuit.....	22		2,326	
Breadstuffs, rolled oats.....	3		272	
Beverages.....	5		732	
Bran.....	5,250		1,311	
Buttermilk, dried.....	3		970	
Confectionery.....	2		882	
Castor beans.....	1		93	
Cocoa.....	74		27,366	
Cocoa beans.....	34		15,191	
Coconuts.....	1		500	
Coffee.....	124		76,957	
Copra cake.....	6,903		214,400	
Currants.....	48		13,885	
Curry powder.....	1		255	
Flour.....	661		63,995	
Fruit.....	20		4,924	
Flavoring extracts.....	1		1,872	
Grain.....	145		8,513	
Grain middlings.....	106		5,857	
Honey and sirup.....	4		1,475	
Linseed oil.....	236		66,465	
Milo maize.....	1,320		39,609	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Vegetable food products, oil seeds, expressed oils and beverages—Continued.				
Mineral water.....	2		\$844	
Mushrooms.....	7		5,953	
Nuts, edible.....	1		178	
Olive and olive oil.....	1		803	
Peanuts.....	17		4,015	
Rice.....	55		11,592	
Sauce.....	4		928	
Soda water.....	3		690	
Soy.....	1		120	
Spices.....	9		2,787	
Starch.....	1		229	
Sugar.....	1,114		274,460	
Tapioca.....	6		396	
Tea.....	170		58,379	
Vegetables.....	430		43,150	
Vegetable oils.....	2		1,029	
Vinegar.....	3		184	
Other vegetable products, except fibers and wood.....		1,868		\$1,689,794
Drugs.....	5		1,317	
Nursery stock.....	17		2,376	
Rubber and rubber goods.....	1,701		1,637,493	
Seeds.....	114		7,946	
Seaweed and moss.....	7		1,010	
Tobacco manufactures.....	24		19,640	
Textiles.....		769		401,975
Hair, animal.....	5		590	
Carpets.....	67		36,584	
Cotton manufactures.....	89		147,245	
Fibers, vegetable manufactures.....	22		15,445	
Flax.....	9		8,979	
Grass manufactures.....	1		75	
Hats and trimmings.....	6		5,862	
Hemp.....	182		47,375	
Kapoc.....	1		410	
Linoleum.....	82		53,426	
Rags.....	275		17,247	
Silk manufactures.....	12		41,237	
Straw and palm leaf manufactures.....	3		1,324	
Twine.....	4		11,990	
Wool manufactures.....	11		14,186	
Wood and paper.....		21,877		1,814,900
Bamboo and manufactures.....	25		18,567	
Furniture.....	34		17,369	
Lumber.....	5,331		126,066	
Lumber manufactures.....	102		43,249	
Lumber, lath.....	99		1,513	
Lumber, poles.....	929		13,307	
Lumber, shooks.....	72		3,610	
Paper.....	12,796		1,320,349	
Rattan reeds.....	13		13,389	
Wood pulp.....	2,476		257,381	
Nonmetallic minerals.....		8,269		249,769
Cement.....	5		374	
China and porcelain.....	228		77,753	
Chalk.....	1,110		4,718	
Clay.....	289		6,738	
Earthen and stone ware.....	160		42,053	
Earthy mineral substances.....	12		488	
Fuller's earth.....	186		2,785	
Glass and glassware.....	173		31,940	
Mica.....	11		11,124	
Marble statuary.....	1		252	
Oil, crude.....	6,021		70,000	
Onyx.....	2		85	
Pebbles.....	71		1,459	
Ores, metals, and manufactures of, except machinery and vehicles.....		8,565		467,996
Brass, junk.....	20		1,000	
Bronze manufactures.....	1		606	
Clocks and parts of.....	1		1,806	
Cutlery.....	1		816	
Electrical manufactures.....	4		4,222	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Ores, metals, and manufactures of, except machinery and vehicles—Continued.				
Enamel ware.....	17	.....	\$5,227	.....
Hairpins.....	1	.....	669	.....
Iron ore.....	236	.....	21,872	.....
Iron, pig.....	7,581	.....	370,441	.....
Iron and steel dies.....	13	.....	4,000	.....
Iron and steel drums.....	4	.....	250	.....
Iron and steel pipe fittings.....	2	.....	246	.....
Iron and steel rails.....	50	.....	1,501	.....
Iron and steel scrap.....	555	.....	18,250	.....
Iron and steel tools.....	27	.....	15,281	.....
Jewelry, gold and silver.....	2	.....	8,403	.....
Metal manufactures.....	36	.....	11,222	.....
Surgical and scientific instruments.....	1	.....	1,100	.....
Tinsel manufactures.....	1	.....	407	.....
Wire, copper, iron, and steel.....	2	.....	578	.....
Machinery and vehicles.....		563		\$288,484
Automobiles.....	270	.....	141,850	.....
Agricultural implements.....	2	.....	648	.....
Machinery.....	299	.....	144,834	.....
Vehicles.....	2	.....	1,152	.....
Chemicals.....		43,697		537,930
Acids.....	8	.....	1,643	.....
Ammonia.....	15	.....	3,415	.....
Alum.....	23	.....	908	.....
Chemicals.....	21	.....	3,580	.....
Dried blood.....	381	.....	41,582	.....
Epsom salts.....	44	.....	1,557	.....
Explosives, firecrackers.....	15	.....	12,466	.....
Fertilizers.....	1,610	.....	121,996	.....
Incense.....	5	.....	1,608	.....
Medicinal and pharmaceutical preparations.....	49	.....	10,109	.....
Paints.....	92	.....	5,901	.....
Perfumery and toilet preparations.....	1	.....	1,265	.....
Soda, nitrate.....	7,087	.....	320,432	.....
Sodium cyanide.....	34,345	.....	11,467	.....
Varnish.....	1	.....	101	.....
Unclassified.....		1,765		360,843
American goods returned.....	161	.....	39,106	.....
Art, works of.....	13	.....	42,603	.....
Beads.....	9	.....	8,567	.....
Beadwork.....	1	.....	923	.....
Diving apparatus.....	1	.....	1,000	.....
Empty containers.....	54	.....	3,303	.....
Felt sheathing.....	21	.....	2,567	.....
Fishing tackle.....	6	.....	2,747	.....
Household goods.....	1,407	.....	212,618	.....
Merchandise, miscellaneous.....	5	.....	2,836	.....
Musical instruments.....	16	.....	5,421	.....
Photographic goods.....	17	.....	6,637	.....
Toys.....	54	.....	32,515	.....
Total.....		106,215		6,996,406
EXPORTS.				
Animals and animal products, except wool and hair.....		2,662		717,931
Animal oil.....	1	.....	378	.....
Bones.....	115	.....	5,758	.....
Bones, hoofs, horns, etc.....	112	.....	5,619	.....
Dairy products.....	17	.....	8,885	.....
Fur and fur skins.....	1	.....	697	.....
Fish.....	1,725	.....	496,751	.....
Glue and mucilage.....	2	.....	340	.....
Grease.....	347	.....	73,922	.....
Leather, and manufactures of.....	58	.....	46,957	.....
Live stock.....	48	.....	36,390	.....
Meat products.....	108	.....	41,048	.....
Shells.....	128	.....	1,296	.....

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Vegetable food products, oil seeds, expressed oils, and beverages.....		5,353		\$694,105
Beverages.....	41		\$19,221	
Breadstuffs, bread and biscuit.....	42		8,153	
Breadstuffs, cereal preparations.....	197		23,150	
Cottonseed cake.....	2,145		97,750	
Cocoa and chocolate.....	17		9,570	
Coffee.....	1		438	
Confectionery.....	148		76,426	
Flour.....	623		67,999	
Fruit, miscellaneous.....	1,409		263,753	
Flavoring and fruit juices.....	1		1,634	
Grain.....	4		250	
Hay.....	61		1,846	
Honey.....	12		3,778	
Moss and sea grass.....	9		4,400	
Nuts.....	20		9,850	
Rice.....	1		399	
Spice.....	22		6,532	
Sirup.....	15		720	
Sugar.....	69		26,015	
Tea.....	1		551	
Vegetables, miscellaneous.....	417		55,597	
Vegetable oils.....	86		15,519	
Yeast.....	1		43	
Vinegar.....	11		511	
Other vegetable products, except fibers and wood.....		347		89,343
Chewing gum.....	1		334	
Nursery stock and seeds.....	195		20,979	
Rosin and turpentine.....	81		3,211	
Rubber manufactures.....	58		60,508	
Starch.....	9		2,430	
Tobacco.....	3		1,881	
Textiles.....		4,592		5,156,657
Cordage and twine.....	6		2,368	
Cotton, raw.....	3,202		3,103,510	
Cotton goods.....	1,020		1,614,119	
Fibers, goods.....	114		16,794	
Hair goods.....	2		574	
Hats.....	11		15,502	
Linoleum and oilcloth.....	42		7,502	
Silk.....	49		120,812	
Straw and palm leaf goods.....	6		2,176	
Wool goods.....	140		273,300	
Wood and paper.....		2,002		282,735
Cork.....	3		1,699	
Lumber.....	1,007		29,244	
Lumber furniture.....	30		14,955	
Lumber, logs.....	22		1,900	
Lumber manufactures.....	90		42,940	
Lumber, shingles and shooks.....	26		1,247	
Paper and manufactures of.....	662		172,997	
Roofing felt.....	132		17,753	
Nonmetallic minerals.....		401,594		8,503,573
Asbestos.....	3		662	
Brick.....	42		4,154	
Cement, hydraulic.....	5,010		102,844	
Clay.....	1		10	
Coal.....	6		94	
Chalk, manufactures.....	10		469	
China ware.....	2		1,684	
Earthen and stone ware.....	56		11,950	
Glass and glassware.....	127		14,209	
Lamps and chandeliers.....	9		970	
Lime.....	19		653	
Oil, crude.....	8,676		100,626	
Oil, fuel.....	266,540		3,380,375	
Oil, gasoline.....	14,946		768,911	
Oil, illuminating.....	103,475		3,909,562	
Oil, lubricating.....	467		48,538	
Oil, mineral, miscellaneous.....	1,368		155,425	
Paraffin.....	2		511	
Sand and gravel.....	824		1,250	
Stone and tile.....	8		558	
Salt.....	3		88	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Ores, metals, and manufactures of, except machinery and vehicles.....		222, 409		\$1, 844, 251
Aluminum manufactures.....	2		\$1, 375	
Brass manufactures.....	8		4, 484	
Clocks and watches.....	1		1, 621	
Cutlery.....	6		4, 365	
Copper manufactures.....	3		1, 912	
Fire extinguishers.....	1		1, 162	
Enamelware.....	11		3, 741	
Firearms.....	2		2, 902	
Hardware.....	2		1, 538	
Horseshoes.....	45		1, 400	
Iron and steel—				
Bars and rods.....	214, 548		889, 931	
Bolts, nuts, etc.....	52		10, 429	
Pipe and fittings.....	567		90, 666	
Junk, scrap, etc.....	201		12, 438	
Galvanized plates.....	14		3, 344	
Manufactures.....	942		249, 921	
Nails and screws.....	198		17, 797	
Plates.....	1, 055		119, 585	
Rails, frogs, etc.....	3, 005		185, 167	
Spikes.....	9		5, 720	
Structural.....	62		5, 579	
Tools.....	58		24, 183	
Wire and manufactures.....	808		77, 908	
Jewelry.....	1		3, 118	
Lead and manufactures.....	4		1, 972	
Metals.....	50		15, 752	
Metal furniture.....	2		1, 154	
Needles.....	1		719	
Nickel.....	1		866	
Scales and balances.....	5		873	
Stoves and ranges.....	15		3, 197	
Tin manufactures.....	707		99, 651	
Zinc manufactures.....	23		5, 538	
Machinery and vehicles.....		2, 261		993, 830
Automobiles.....	260		301, 054	
Automobile parts.....	51		46, 144	
Agricultural implements.....	61		22, 846	
Airplanes.....	1		2, 000	
Bicycles.....	6		4, 414	
Electrical machinery.....	64		62, 134	
Engines and parts.....	226		124, 463	
Machinery, miscellaneous.....	195		95, 283	
Machinery, mining.....	883		96, 422	
Machinery, oil well.....	447		152, 963	
Machinery, pumps.....	20		11, 449	
Motor cycles.....	8		11, 272	
Sewing machines.....	1		325	
Typewriters.....	2		2, 435	
Vehicles and parts.....	46		60, 628	
Chemicals.....		3, 801		646, 376
Acids.....	261		53, 393	
Blacking and shoe polish.....	7		1, 280	
Blue vitriol.....	1		122	
Calcium carbide.....	3		411	
Celluloid manufactures.....	7		9, 443	
Chemicals.....	393		61, 798	
Coal tar.....	6		131	
Dyes and dyestuffs.....	22		2, 160	
Explosives.....	5		4, 651	
Fertilizer.....	6		610	
Formaldehyde.....	45		8, 868	
Glycerin.....	2		948	
Medicinal preparations.....	703		149, 937	
Paints.....	40		12, 277	
Perfumes and toilet preparations.....	20		23, 817	
Petroleum jelly.....	3		431	
Potash.....	362		33, 952	
Roots, herbs, and barks.....	1		72	
Soap.....	332		67, 643	
Soda, miscellaneous.....	321		31, 098	
Soda ash.....	423		57, 038	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Chemicals—Continued.				
Soda bicarbonate.....	24		\$3,384	
Soda, borax.....	514		98,189	
Soda, caustic.....	290		23,141	
Sulphur.....	6		229	
Varnish.....	1		415	
Washing powder.....	3		938	
Unclassified.....		1,277		\$208,056
Athletic and sporting goods.....	6		9,546	
Brooms and brushes.....	18		8,281	
Buttons.....	11		8,236	
Baking powder.....	2		1,090	
Candles.....	2		823	
Fly paper and flytraps.....	6		2,854	
Household and personal effects.....	990		72,005	
Instruments, optical and surgical.....	6		10,207	
Ink.....	2		531	
Merchandise, miscellaneous.....	101		33,408	
Musical instruments.....	20		14,388	
Matches.....	14		2,102	
Notions.....	28		14,895	
Photographic goods.....	2		1,652	
Office supplies.....	12		7,026	
Toys.....	3		1,632	
Trunks.....	48		14,523	
Wax manufactures.....	5		1,160	
Umbrellas and parasols.....	1		1,102	
Total.....		646,298		10,134,857
Total imports and exports.....		752,513		26,131,263

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair.....			36,462		\$8,484,528
Butter.....		1,573		\$1,877,600	
Cheese.....		454		316,800	
Eggs.....		70		63,500	
Fish.....	26,610	2,111		2,683,550	
Fish oil.....		15		750	
Gelatin and glue.....		198		17,120	
Grease.....		115		21,350	
Lard.....		197		126,000	
Leather and hides.....		235		696,600	
Live stock.....	1,161			300,050	
Milk, canned.....		3,054		560,800	
Milk, dry.....		23		3,500	
Oleomargarine.....		178		106,900	
Shells.....		18		108	
Shoes.....		450		1,710,000	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			96,284		21,864,350
Biscuit, dog.....		16		5,600	
Canned goods.....		2,531		303,720	
Chocolate.....		1,273		650,400	
Cocoa.....		296		177,600	
Coffee.....		5,145		3,390,800	
Confections.....		1,032		539,800	
Cocoa beans and meal.....		543		68,570	
Coconut meal.....		30		8,200	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE—continued.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages—Continued.					
Cocoanut oil.....		47		\$18,800	
Fruit.....		3,379		690,045	
Flour.....		24,513		2,941,560	
Grain.....		346		13,800	
Groceries.....		3,254		854,000	
Infants' food.....		32		14,700	
Liquors.....		566		378,500	
Malt.....		373		33,570	
Meal and mill feed.....		8,464		427,876	
Mineral water.....		71		7,100	
Nuts, edible.....		292		145,750	
Olives.....		72		16,200	
Oil, olive.....		176		107,360	
Oil, vegetable.....		127		48,310	
Peanuts.....		1,407		281,400	
Preserves, jams.....		231		80,850	
Rice.....		3,225		403,000	
Sauces.....		236		47,200	
Spices.....		110		44,000	
Sugar.....		27,403		9,025,760	
Sirup.....		5,803		438,650	
Tapioca.....		100		10,000	
Tea.....		297		180,200	
Vegetables.....		3,575		404,670	
Vinegar.....		888		31,968	
Yeast.....		405		74,400	
Other vegetable products, except fibers and wood.....			8,826		\$4,270,465
Brooms.....		1		400	
Chicle.....		5		7,500	
Copal gum.....		8		2,080	
Drugs.....		4,226		845,200	
Pitch.....		25		5,300	
Rubber and rubber goods.....		1,734		1,506,700	
Seeds.....		200		20,000	
Starch.....		49		6,860	
Tobacco.....		2,568		1,867,200	
Tobacco, cigarettes.....		9		9,000	
Turpentine.....		1		225	
Textiles.....			6,350		9,297,380
Bags, burlap and cotton.....		1,483		250,920	
Clothing.....		69		345,000	
Cotton goods.....		2,725		7,582,720	
Kapok.....		39		9,360	
Linoleum.....		657		328,500	
Oakum.....		39		7,080	
Rags and waste.....		62		16,300	
Rope.....		714		357,000	
Rugs and carpets.....		339		169,500	
Twine.....		168		125,000	
Wool.....		48		78,000	
Woolens.....		7		18,000	
Wood and paper.....			1,235,239		36,443,133
Bamboo.....		7		2,100	
Cork.....		54		32,400	
Excelsior.....		12		480	
Furniture.....		1,013		499,500	
Lumber.....	1,083,924			24,395,295	
Lumber, lath.....		34,188		813,739	
Lumber, poles and piles.....	4,183			121,738	
Lumber, shakes.....		624		36,338	
Lumber, shingles.....		14,905		729,229	
Lumber, ties.....	61,728			1,065,484	
Paper.....		31,771		8,631,130	
Toothpicks.....		1		100	
Wood pulp.....		2,825		115,520	
Wooden heads.....		4		80	
Nonmetallic minerals.....			84,389		1,254,906
Abrasive materials.....		6		1,120	
Asbestos roofing.....		91		11,375	
Asphalt.....		472		9,010	
Cement.....		32		224	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE—continued.					
Nonmetallic minerals—Continued.					
Charcoal.....		2		\$70	
Clay.....		106		4,680	
Coal and coke.....		15		187	
Earthenware.....		48		16,100	
Ferrosilicon.....		3		150	
Glass.....		132		9,900	
Glass, plate.....		40		4,000	
Marble.....		678		27,120	
Minerals.....		72		7,700	
Oil, diesel.....	5,991			73,846	
Oil, fuel.....	29,578			316,357	
Oil, gasoline.....	30			1,880	
Oil, kerosene.....	1,718			60,953	
Oil, lubricating.....	1,483			163,130	
Oil, tops.....	43,676			540,913	
Porcelain.....		4		1,200	
Salt.....		51		510	
Talc.....		63		2,520	
Tile.....		98		1,960	
Ores, metals and manufactures, except machinery and vehicles.....			38,627		\$7,173,700
Brass manufactures.....		53		37,106	
Copper wire.....		239		107,550	
Hardware.....		1,776		1,490,440	
Iron and steel, miscellaneous.....		11,561		1,409,925	
Iron and steel bolts.....		639		63,900	
Iron and steel chains.....		16		2,560	
Iron and steel manufactures.....		349		95,710	
Iron and steel nails.....		2,290		225,310	
Iron and steel pipe and fittings.....	9,134	724		1,211,920	
Iron and steel plates and sheets.....	4,661			347,715	
Iron and steel rails.....	317			25,360	
Iron and steel, structural.....	2,487			191,645	
Iron and steel castings.....		8		1,600	
Iron and steel wire.....		674		74,640	
Iron and steel wire fence and netting.....		398		47,815	
Iron and steel wire goods.....		165		33,000	
Iron and steel rope.....		67		26,900	
Iron and steel valves.....		40		12,800	
Lead.....	933			709,730	
Lead pipe and fittings.....		20		20,000	
Metals.....		1,950		909,900	
Ore.....		20		4,000	
Plumbing supplies.....		35		21,000	
Tin, miscellaneous.....		27		32,840	
Zinc.....		44		10,340	
Machinery and vehicles.....			7,763		6,255,670
Autos.....		1,067		1,485,400	
Auto accessories.....		420		378,000	
Boilers and parts.....		92		49,200	
Electrical goods.....		2,309		2,266,250	
Machinery.....		3,516		1,720,900	
Meters.....		119		95,200	
Sewing machines.....		240		260,720	
Chemicals.....			8,894		2,496,560
Ammonia.....		213		50,425	
Ammunition.....		352		299,200	
China wood oil.....		163		62,400	
Carbonic acid gas.....		28		11,200	
Chemicals, miscellaneous.....		812		79,100	
Cosmetics.....		92		92,000	
Fertilizer.....		619		27,855	
Lime, chloride.....		87		7,395	
Paint.....		3,691		1,039,215	
Shoe blacking.....		35		6,125	
Soap.....		523		104,600	
Soda, miscellaneous.....		674		33,520	
Soda, bicarbonate.....		224		20,070	
Soda borax.....		25		4,500	
Soda caustic.....		122		12,300	
Soda hypo.....		131		5,805	
Soda nitrate.....		14		1,620	
Soda phosphate.....		323		19,480	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

(Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE—continued.					
Chemicals—Continued.					
Soda silicate.....		171		\$8,550	
Tar.....		71		1,325	
Toilet supplies.....		134		482,400	
Varnish.....		163		93,000	
Washing powder.....		171		21,375	
White lead.....		46		13,110	
Unclassified.....			29,509		\$12,999,100
Baking powder.....		85		29,750	
Empty carriers.....	21			1,050	
Empty barrels.....	128			7,780	
Empty drums.....	1			60	
Empties returning.....	482			7,230	
Feather pillows.....		22		110,000	
Household goods.....		853		132,480	
Ink.....		764		305,800	
Junk.....		10		300	
Life preservers.....		5		7,500	
Merchandise.....		26,381		11,875,250	
Musical instruments.....		519		394,900	
Photographic supplies.....		50		25,000	
Ship chandlery.....		108		54,000	
Toys.....		80		48,000	
Total.....	1,278,246	274,087	1,552,333		110,529,800
SHIPMENTS, COASTWISE.					
Animal and animal products, except wool and hair.....			7,570		1,730,088
Butter.....		22		27,400	
Cattle hoofs.....		25		1,500	
Cheese.....		10		7,000	
Fish.....		3,288		1,029,380	
Fish oil.....		4		100	
Grease.....		31		7,750	
Glue.....		30		2,400	
Hides.....		8		5,000	
Lard.....		386		251,250	
Leather goods.....		2		6,000	
Livestock.....	229			45,780	
Meats.....		26		14,400	
Milk, canned.....		93		15,100	
Shells.....		3,338		20,028	
Shoes.....		78		296,400	
Vegetable food products, oil seeds, ex- pressed oils and beverages.....			15,366		2,972,156
Beet pulp.....		25		787	
Canned goods.....		1,296		154,320	
Chocolate.....		17		10,200	
Coffee.....		143		115,600	
Confection.....		1,051		500,500	
Cottonseed cake.....		240		12,000	
Fruit.....		3,767		535,145	
Flour.....		157		18,840	
Grain.....		48		2,400	
Groceries.....		1,326		331,922	
Hay.....		79		2,765	
Honey.....		476		161,840	
Liquors.....		574		112,370	
Meal and mill feed.....		114		4,788	
Milo maize.....		147		8,379	
Nuts, edible.....		276		93,000	
Oil, olive.....		59		26,890	
Olives.....		16		6,680	
Preserves.....		33		11,550	
Poultry food.....		234		15,210	
Rice.....		191		23,875	
Sauce.....		3		600	
Spice.....		2		800	
Sugar.....		1,022		372,280	
Syrup.....		442		76,350	
Tea.....		6		3,600	
Vegetables.....		3,632		369,465	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Other vegetable products except filers and wood.			686		\$429,090
Drugs		251		\$50,200	
Rubber and rubber goods		378		350,250	
Seeds		10		1,000	
Starch		11		1,540	
Tobacco		36		26,100	
Textiles			1,196		2,419,160
Bags and burlap		23		2,760	
Cotton		360		208,400	
Dry goods		735		2,152,700	
Linoleum		6		3,000	
Rope		53		26,600	
Rugs and carpets		1		500	
Wool		18		25,200	
Wood and paper			4,087		566,078
Furniture		380		190,000	
Lumber	1,590			34,403	
Lumber, lath		19		484	
Lumber, manufactures		16		1,120	
Lumber, poles and piling	151			3,096	
Lumber, wooden heads		537		10,740	
Paper		1,382		322,035	
Printed matter		12		4,200	
Nonmetallic minerals			1,983,299		34,647,889
Brick		317		3,170	
Brick, fire		133		23,275	
Cement		2,147		150,280	
Charcoal		1		35	
Crockery		13		3,900	
Cellite		1,600		32,000	
Coal and coke		287		2,762	
Earth, infusorial		1,286		29,720	
Earthenware		28		6,440	
Glass		18		1,350	
Gypsum		103		2,000	
Lime		23		1,150	
Limestone		21		1,050	
Marble		2		80	
Oil, miscellaneous	60			327	
Oil, diesel	7,846			91,701	
Oil, distillate	19,833			954,900	
Oil, fuel	1,680,998			19,025,801	
Oil, gasoline	194,004			11,576,750	
Oil, kerosene	61,618			2,588,453	
Oil, lubricating	1,337			112,000	
Plaster		129		3,225	
Sand		2		10	
Sewer pipe		52		6,480	
Talc		574		22,960	
Tile		897		17,940	
Ores, metals and manufactures, except machinery and vehicles			6,398		1,103,510
Hardware		539		453,200	
Iron and steel, miscellaneous		757		79,530	
Iron and steel, bolts		81		8,100	
Iron and steel, unk.		31		930	
Iron and steel manufactures		9		2,460	
Iron and steel, nails		80		7,680	
Iron and steel, pipe and fittings	357	247		83,320	
Iron and steel, rivets		28		2,800	
Iron and steel, rails	3,599			287,920	
Iron and steel, springs		2		1,000	
Iron and steel, wire		324		39,210	
Iron and steel, wire goods		90		18,000	
Iron and steel wire rope		22		8,800	
Lead	107			88,275	
Metals		115		11,500	
Tin		7		10,080	
Zinc		3		705	
Machinery and vehicles			3,160		2,814,810
Automobiles		592		828,800	
Auto accessories		266		239,400	

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Machinery and vehicles—Continued.					
Electrical goods.....		1, 106		\$1, 104, 760	
Machinery.....		1, 068		540, 550	
Vehicles, miscellaneous.....		2		500	
Water meters.....		126		100, 800	
Chemicals.....			3, 175		\$718, 885
Ammunition.....		25		21, 250	
Blueing.....		13		2, 000	
Chemicals, miscellaneous.....		70		11, 600	
Fertilizer.....		60		2, 700	
Paint.....		317		105, 950	
Soda.....		2		100	
Soda, borax.....		227		40, 880	
Soap.....		2, 170		434, 000	
Starch.....		5		700	
Toilet supplies.....		16		57, 600	
Varnish.....		21		11, 000	
Washing powder.....		249		31, 125	
Unclassified.....			10, 291		4, 267, 440
Emoties, barrels, drums, etc.....	456			15, 200	
Household goods.....		537		81, 250	
Ink.....		4		960	
Junk.....		41		1, 230	
Merchandise.....		9, 224		4, 150, 800	
Musical instruments.....		8		5, 400	
Toys.....		21		12, 800	
Total.....	1, 982, 205	53, 023	2, 035, 228		51, 669, 106
Total receipts and shipments, coast- wise.....	3, 260, 451	327, 110	3, 587, 561		162, 198, 906

SUMMARY.

Classes of commodities.	Foreign.				Domestic.	
	Imports.		Exports.		Coastwise.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products, except wool and hair.....	2, 052	\$228, 258	2, 662	\$717, 931	44, 032	\$10, 214, 616
Vegetable food products, oil seeds, expressed oils, and beverages.....	16, 790	956, 567	5, 353	694, 105	111, 650	24, 836, 515
Other vegetable products, except fibers and wood.....	1, 668	1, 689, 784	347	89, 343	9, 512	4, 699, 555
Textiles.....	769	401, 975	4, 592	5, 156, 657	7, 546	11, 706, 540
Wood and paper.....	21, 677	1, 814, 800	2, 002	282, 735	1, 239, 326	37, 009, 211
Nonmetallic minerals.....	8, 269	249, 769	401, 564	8, 503, 573	2, 067, 688	35, 902, 794
Ores, metals and manufactures of, except machinery and vehicles.....	8, 565	467, 996	222, 409	1, 844, 251	45, 025	8, 277, 210
Machinery and vehicles.....	563	288, 484	2, 261	993, 830	10, 923	9, 070, 480
Chemicals.....	43, 697	537, 930	3, 801	646, 376	12, 059	3, 215, 445
Unclassified.....	1, 765	360, 843	1, 277	206, 056	39, 800	17, 266, 540
Total.....	106, 215	6, 996, 406	646, 298	19, 134, 857	3, 587, 561	162, 198, 906

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steamers.....	2,954	62	3,016	4,431,172
Motors.....	72	6	78	65,682
Sailing.....	1	.....	1	384
Barges.....	88	.....	88	154,904
Gas schooners.....	23	5	28	3,149
Tugs.....	57	.....	57	4,255
Torpedo-boat destroyers.....	2	.....	2	2,354
Training ship.....	1	.....	.....	1,010
Total.....	3,198	73	3,270	4,662,910

Number of passengers, 530,580.

SAN LUIS OBISPO HARBOR, CALIF.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1890.....	40,896	(1)	1906.....	580,564	\$4,730,000
1891.....	48,772	(1)	1907.....	1,096,054	9,888,000
1892.....	57,119	(1)	1908.....	1,071,469	7,608,024
1893.....	64,867	(1)	1909.....	1,043,333	7,118,514
1894.....	70,363	(1)	1910.....	1,177,428	8,265,995
1895.....	37,798	(1)	1911.....	1,534,984	9,713,107
1896.....	46,535	(1)	1912.....	1,998,569	10,367,745
1897.....	52,863	(1)	1913.....	2,137,187	8,865,418
1898.....	40,516	(1)	1914.....	2,280,319	10,355,965
1899.....	51,720	(1)	1915.....	1,815,233	12,150,432
1900.....	35,499	(1)	1916.....	2,153,844	13,873,951
1901.....	40,996	(1)	1917.....	2,470,066	16,438,480
1902.....	55,707	(1)	1918.....	1,873,285	22,304,146
1903.....	60,291	(1)	1919.....	2,059,574	21,428,029
1904.....	81,620	\$2,386,000	1920.....	2,253,155	28,717,597
1905.....	445,153	4,196,000			

¹ No statistics available.

Passengers carried, 1912, 68; 1913, 1,008; 1914, 985.

[Navigation season, entire year.]

*Freight traffic, 1920.***FOREIGN.**

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Vegetable food products, oil seeds, expressed oils, and beverages: Grain.....	611	611	\$36,660	\$36,66
Nonmetallic minerals: Oil, crude.....	631,231	631,231	7,391,890	7,391,89
Total.....		631,842		7,428,550

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			2, 620		\$361, 445
Beverages.....		100		\$42, 500	
Canned goods.....		28		3, 360	
Flour and meal.....		1, 287		154, 440	
Fruits and vegetables, dried.....		127		38, 100	
Grain.....		52		3, 120	
Sugar.....		549		96, 075	
Miscellaneous produce.....		477		23, 850	
Wood and paper.....			49		11, 580
Lumber.....		12		480	
Paper.....		37		11, 100	
Nonmetallic minerals.....			1, 736		27, 100
Cement.....		1, 550		24, 800	
Coal.....		55		660	
Oil, refined petroleum.....		11		440	
Salt.....		120		1, 200	
Unclassified: General merchandise.....		2, 842	2, 842	1, 278, 900	1, 278, 900
Total.....		7, 247	7, 247		1, 679, 025
SHIPMENTS, COASTWISE.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			4, 161		833, 551
Fruits and vegetables, dried.....		2, 436		740, 800	
Grain.....		1, 618		97, 080	
Oats.....		107		5, 671	
Wood and paper: Lumber.....		4, 725	4, 725	189, 000	189, 000
Nonmetallic minerals.....			1, 604, 222		18, 161, 771
Coal.....		123		1, 476	
Oil, refined.....		1, 000		30, 000	
Oil, crude.....	1, 603, 099			18, 130, 295	
Ores, metals, and manufactures of, except machinery and vehicles: Manufactured iron and steel.....		36	36	10, 800	10, 800
Unclassified: General merchandise.....		922	922	414, 900	414, 900
Total.....	1, 603, 099	10, 967	1, 614, 066		19, 610, 022
Total receipts and shipments, coast- wise.....	1, 603, 099	18, 214	1, 621, 313		21, 289, 047

COMMERCE IN TRANSIT, REMAINING ON SHIPS IN AND OUT OF HARBOR, BUT NOT
UNLOADED THERE.

Commodities.	Amount in short tons.	Value.
Lumber.....	7, 400	\$111, 000
Merchandise.....	21, 800	6, 976, 000
Oil, crude.....	4, 220	45, 942
Oil, Diesel.....	13, 820	189, 837
Oil, refined.....	76, 893	4, 780, 545
Total.....	124, 133	12, 083, 324

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign, exports.		Domestic, coastwise.	
	Tons.	Value.	Tons	Value.
Vegetable food products, oil seeds, expressed oils, and beverages.....	611	\$36,660	6,781	\$1,196,898
Wood and paper.....			4,774	200,589
Nonmetallic minerals.....	631,231	7,391,890	1,605,958	18,188,571
Ores, metals, and manufactures of, except machinery vehicles.....			36	10,800
Unclassified.....			3,764	1,693,800
Total.....	631,842	7,428,550	1,621,313	21,289,047

Cargoes in transit, 124,133 short tons; value, \$12,083,324.

Vessel classification, 1920.

Classes.	American.	Foreign.	Total.
Registered:			
Steamers.....	609	40	649
Unrigged.....	142		142
Total.....	751	40	791

SAN FRANCISCO, CALIF., FIRST DISTRICT.

HARBOR AT SAN FRANCISCO, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	12,816,319	\$885,342,464	40,096,830	1919.....	7,113,067	\$523,493,134	50,678,349
1917.....	9,294,366	650,912,754		1920.....	7,685,402	775,014,544	53,851,448
1918.....	6,042,543	507,551,512	47,197,570				

[Navigation season: Opened Jan. 1, closed Dec. 31.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		1,855		\$1,275,220
Eggs.....	6		\$2,400	
Butter.....	782		782,000	
Hides.....	1,067		490,820	
Vegetable food products.....		455,083		75,561,770
Rice.....	25,181		2,518,100	
Wheat.....	132		9,240	
Beans.....	6,141		614,100	
Limes.....	10		700	
Bananas.....	13		910	
Coconuts.....	1,229		122,900	
Copra.....	96,816		11,617,920	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Vegetable food products—Continued.				
Soya-bean oil.....	413		\$41,300	
Olive oil.....	647		194,100	
Oils, various.....	188,010		18,801,000	
Coffee.....	62,893		25,157,200	
Cocoa.....	4,005		961,200	
Tea.....	6,845		2,874,900	
Spices.....	493		197,200	
Sugar.....	62,255		12,451,000	
Other vegetable products, except fibers and wood		18,487		\$18,487,000
Rubber.....	15,277		15,277,000	
Cigars.....	3,210		3,210,000	
Textiles.		85,171		16,318,870
Jute.....	3,761		376,100	
Bags (gunny).....	54,761		9,309,370	
Flax.....	430		64,500	
Hemp.....	17,674		2,474,360	
Cordage.....	268		53,600	
Kapok.....	1,803		504,840	
Matting.....	1,397		279,400	
Wool.....	1,486		743,000	
Silk.....	3,591		2,513,700	
Nonmetallic minerals: Coal	8,144	8,144	122,160	122,160
Ores, metals, and manufactures of, except machinery and vehicles.		45,221		9,063,990
Pig iron.....	13,750		275,000	
Steel.....	10,277		4,110,800	
Iron.....	8,178		368,010	
Steel rails.....	4,571		457,100	
Nails.....	2,248		134,880	
Tin.....	6,197		3,718,200	
Chemicals.		47,570		3,361,310
Niter.....	46,523		3,256,610	
Soap.....	1,047		104,700	
Unclassified: Chinese merchandise.	51,807	51,807	10,361,400	10,361,400
Total.....		713,338		134,551,720
EXPORTS.				
Animals and animal products, except wool and hair....		26,296		9,487,650
Live stock.....	58		14,500	
Bacon and hams.....	103		82,400	
Butter.....	316		316,000	
Salmon.....	10,913		2,728,250	
Codfish.....	495		99,000	
Fish, various.....	6,454		1,290,800	
Tallow.....	2,257		541,680	
Lard.....	183		45,750	
Hides.....	382		175,720	
Leather.....	4,034		4,034,000	
Boots and shoes.....	110		110,000	
Wax.....	991		49,550	
Vegetable food products.		165,920		28,312,195
Rice.....	53,220		5,322,000	
Meals.....	1,473		73,650	
Bread.....	156		39,000	
Hay.....	2,570		64,250	
Beans.....	17,990		1,799,000	
Potatoes.....	562		22,480	
Onions.....	782		31,280	
Fruits, various.....	3,326		498,900	
Prunes.....	4,218		843,600	
Raisins.....	3,348		1,004,400	
Dried fruits, various.....	3,221		966,300	
Canned goods.....	45,275		9,055,000	
Groceries.....	2,569		1,027,600	
Copra.....	880		105,600	
Coffee.....	2,480		992,000	
Tea.....	2,008		843,360	
Sugar.....	1,774		354,800	
Sirup.....	205		35,875	
Honey.....	70		28,000	
Malt.....	4,255		425,500	

Freight traffic, 1920—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
EXPORTS—continued.				
vegetable food products—Continued.				
Distilled liquors.....	2,334		\$2,334,000	
Wines.....	11,984		2,396,800	
Beer.....	1,220		48,800	
Other vegetable products, except fibers and wood.....		26,869		\$3,658,448
Rosin.....	206		20,600	
Drugs.....	23,297		2,329,700	
Ginseng.....	9		900	
Tan bark.....	336		11,088	
Seeds.....	502		65,260	
Tobacco.....	1,127		563,500	
Cigars.....	4		4,000	
Starch.....	85		11,900	
Hops.....	1,303		651,500	
Textiles.....		28,218		9,033,450
Cotton.....	23,271		8,144,850	
Dry goods.....	554		110,800	
Bags.....	3,390		576,300	
Cordage.....	1,000		200,000	
Wool.....	3		1,500	
Wood and paper.....		71,144		2,086,520
Lumber.....	27,260		681,500	
Ties, railroad.....	20,812		520,300	
Posts.....	1,942		48,550	
Shingles.....	1,146		28,650	
Shooks.....	2,688		67,200	
Furniture.....	303		60,600	
Paper.....	16,993		679,720	
Nonmetallic minerals.....		1,329,222		51,989,146
Coal.....	1,120		16,800	
Coke.....	1,162		17,430	
Refined oils.....	1,286,865		51,451,600	
Cement.....	16,691		333,820	
Lime.....	36		1,080	
Brick.....	760		3,800	
Salt.....	23,088		161,616	
Ores, metals and manufactures of, except machinery and vehicles.....		197,530		61,345,460
Iron.....	4,370		196,650	
Steel.....	131,777		46,121,950	
Railway material.....	1,413		282,600	
Wire.....	31,793		6,358,600	
Nails.....	8,006		480,360	
Hardware.....	3,177		635,400	
Lead.....	2,451		245,100	
Quicksilver.....	33		33,000	
Tin.....	8,796		5,277,600	
Metals, various.....	5,714		1,714,200	
Machinery and vehicles.....		137,960		27,934,000
Machinery.....	136,250		27,250,000	
Agricultural implements.....	1,710		684,000	
Chemicals.....		28,460		4,656,935
Soda.....	9,766		781,280	
Soda ash.....	5,746		459,680	
Borax.....	1,970		39,400	
Paint.....	5,570		2,228,000	
Fertilizer.....	1,425		106,875	
Powder.....	400		80,000	
Dynamite.....	1,846		738,400	
Ammunition and arms.....	243		72,900	
Soap.....	1,504		150,400	
Unclassified.....	9,956	9,956	995,600	995,600
Total.....		2,021,569		199,499,404
Total imports and exports.....		2,734,907		334,051,124

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.		By com- modities.	By classes.
	Bulk.	Package.		
RECEIPTS, COASTWISE.				
Animals and animal products, except wool and hair.....			44,003	\$13,729,340
Eggs.....		64		\$25,600
Butter.....		717		717,000
Cheese.....		1,070		642,000
Salmon.....		28,632		7,158,000
Codfish.....		2,181		436,200
Tuna fish.....		193		46,320
Dried fish.....		20		2,000
Oysters.....		662		39,720
Fish oils.....		833		249,900
Tallow.....		220		52,800
Hides.....		9,391		4,319,800
Seal skins.....		20		40,000
Vegetable food products.....			763,922	131,994,970
Barley.....		3,584		215,040
Oats.....		361		23,465
Rice.....		833		83,300
Wheat.....		822		57,540
Flour.....		36,942		4,617,750
Millfeed.....		12,845		642,250
Taro.....		50		5,000
Beans.....		3,153		315,300
Potatoes.....		283		11,320
Onions.....		5		200
Lemons and oranges.....		2,600		182,000
Bananas.....		5,034		352,380
Pineapples.....		550		82,500
Apples.....		1,174		82,180
Pineapples, canned.....		137,295		27,459,000
Pineapple juice.....		65		19,500
Walnuts.....		22		11,000
Copra.....		376		45,120
Coffee.....		1,092		436,800
Sugar.....		444,361		88,872,200
Molasses.....		112,335		8,425,125
Honey.....		140		50,000
Other vegetable products, except fibers and wood.....			1,138	37,822
Tan bark.....	1,134			37,422
Mustard seed.....		4		400
Textiles.....			89	25,600
Sisal.....		54		8,100
Wool.....		35		17,500
Wood and paper.....			44,948	1,813,185
Railroad ties.....	19,936			798,400
Piling.....	9,810			490,500
Poles.....	7,500			300,000
Posts.....	60			1,500
Shingles.....		483		14,490
Shooks.....		5,864		175,920
Lumber.....	1,295			32,375
Nonmetallic minerals.....			1,324,513	16,160,103
Coal.....	49,277			739,155
Fuel oil.....	1,268,674			15,224,088
Lime.....		6,562		196,960
Ores, metals, and manufactures of, except machinery and vehicles: Quicksilver.....		17	17	17,000
Total ¹	1,357,686	820,944	2,178,630	163,778,020
SHIPMENTS, COASTWISE.				
Unclassified ²		509,113	509,113	50,911,300
Total receipts and shipments, coastwise.....	1,357,686	1,330,057	2,687,743	214,689,320

¹ Includes receipts as follows: Hawaiian Islands, 703,993 tons; Oregon, Washington, and Alaska, and Victoria and Nanaimo, 69,523 tons; California coast, 1,302,114 tons; total, 2,178,630 tons.

² Only figures available. Obtained from State harbor commissioners.

Freight traffic, 1920—Continued.

DOMESTIC—Continued..

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.		By com- modities.	By classes.
	Bulk.	Package.		
RECEIPTS, INLAND WATERWAYS.				
Unclassified ¹		1, 357, 647	1, 357, 647	\$135, 764, 200
SHIPMENTS, INLAND WATERWAYS.				
Unclassified ¹		905, 099	905, 099	90, 509, 900
Total receipts and shipments, inland waterways.....		2, 262, 746	2, 262, 746	226, 274, 100

¹ Only figures available. Obtained from State harbor commissioners.FERRY TRAFFIC.¹

	Commodities.	Short tons.	Passengers.	Automobiles.	Wagons and buggies.
General ferry.....	General merchandise.....	632, 519	48, 678, 725	731, 676	221, 186
Car ferry.....	Freight.....	1, 297, 901			
Total.....		1, 930, 420	48, 678, 725	731, 676	221, 186

¹ Value unknown.

SUMMARY.

Classes or commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products.....	1, 855	\$1, 275, 220	26, 296	\$9, 487, 650
Vegetable food products.....	455, 083	75, 561, 770	165, 920	28, 312, 195
Other vegetable products.....	18, 487	18, 487, 000	26, 869	3, 658, 448
Textiles.....	85, 171	16, 318, 870	28, 218	9, 033, 450
Wood and paper.....			71, 144	2, 080, 520
Nonmetallic minerals.....	8, 144	122, 160	1, 329, 222	51, 989, 146
Ores, metals, and manufactures.....	45, 221	9, 063, 990	197, 530	61, 345, 460
Machinery and vehicles.....			137, 960	27, 934, 000
Chemicals.....	47, 570	3, 361, 310	28, 460	4, 656, 935
Unclassified.....	51, 807	10, 361, 400	9, 956	995, 600
Total.....	713, 338	134, 551, 720	2, 021, 575	190, 499, 404

Freight traffic, 1920—Continued.

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.	44, 003	\$13, 729, 340	.....	.....	72, 154	\$24, 492, 210
Vegetable food products.	763, 922	131, 994, 970	.....	.....	1, 384, 925	235, 868, 935
Other vegetable products.	1, 138	37, 822	.....	.....	46, 494	22, 183, 270
Textiles.	89	25, 600	.....	.....	113, 478	25, 377, 920
Wood and paper.	44, 948	1, 813, 185	.....	.....	116, 092	3, 899, 705
Nonmetallic minerals.	1, 324, 513	16, 160, 103	.....	.....	2, 661, 879	68, 271, 409
Ores, metals and manufactures	17	17, 000	.....	.....	242, 768	70, 426, 450
Machinery and vehicles.	.....	.....	.....	.....	137, 960	27, 934, 000
Chemicals.	.....	.....	.....	.....	76, 030	8, 018, 245
Unclassified.	509, 113	50, 911, 300	2, 262, 746	\$226, 274, 100	2, 833, 622	288, 542, 400
Total.	2, 687, 743	214, 689, 320	2, 262, 746	226, 274, 100	7, 685, 402	775, 014, 544

General ferry, 632,519 short tons; 48,678,725 passengers; 731,676 automobiles; 221,186 wagons and buggies.
 Car ferry, 1,297,901 short tons.

Vessel classification, 1920.

Classes.	Total number of trips.	Total net registered tonnage.
Arrivals:		
Foreign steamers.....	554	1, 679, 468
Foreign sailing.....	117	91, 209
American steamers, other than coast.....	434	1, 514, 021
American sailing other than coast.....	55	67, 882
Coasting vessels.....	3, 656	3, 680, 890
River and bay steamers.....	5, 380	3, 902, 363
Total.....	10, 196	10, 935, 843

Passengers carried, 58,851,448.

REDWOOD CREEK, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1916.....	116, 014	\$753, 511	1919.....	12, 048	\$665, 395
1917.....	124, 271	964, 440	1920.....	28, 568	1, 160, 042
1918.....	18, 192	1, 130, 740			

¹ Exclusive of commerce below West Point Slough, amounting to about 5,000 or 6,000 tons annually.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
RECEIPTS, LOCAL.							
Animals and animal products, except wool and hair.....			2, 141		\$525, 860	Miles.	Cents.
Fish ¹	1, 740			\$348, 000		2, 500	5
Tallow.....		30		7, 200		26	4. 8
Hides.....		371		170, 660		21	5. 9
Vegetable food products: Hay.....		308	308	7, 700	7, 700	143	2. 4
Other vegetable products, except fibers and wood.....			2, 849		105, 787		
Tan bark.....	2, 739			90, 387		32	3. 1
Quebracho.....		110		15, 400		26	4. 8
Wood and paper: Lumber.....	197		197	4, 925	4, 925	26	4. 8
Nonmetallic minerals.....			8, 083		40, 454		
Crushed rock.....	5, 875			11, 750		54	8
Fuel oil.....	2, 208			28, 704		28	
Unclassified.....		49	49	8, 820	8, 820	31	4
Total.....	12, 759	868	13, 627		693, 546		
SHIPMENTS, LOCAL.							
Animals and animal products, except wool and hair.....			2, 475		398, 600		
Shells.....	200			24, 000		26	4. 8
Glue stock.....		536		26, 800		26	4. 8
Fish.....		1, 739		347, 800		26	5
Vegetable food products: Hay.....		920	920	23, 000	23, 000	26	7. 6
Other vegetable products, except fibers and wood: Spent tan bark.....	6, 095		6, 095	12, 190	12, 190	20	5
Nonmetallic minerals: Salt.....		5, 451	5, 451	32, 706	32, 706	26	4. 8
Total.....	6, 295	8, 646	14, 941		466, 496		
Total receipts and shipments.....	19, 054	9, 514	28, 568		1, 160, 042		

¹ Coastwise traffic.

SUMMARY.

Classes of commodities.	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	1, 740	\$348, 000	2, 876	\$576, 460	4, 616	\$924, 460
Vegetable food products.....			1, 228	30, 700	1, 228	30, 700
Other vegetable products, except fibers and wood.....			8, 944	117, 977	8, 944	117, 977
Wood and paper.....			197	4, 925	197	4, 925
Nonmetallic minerals.....			13, 534	73, 160	13, 534	73, 160
Unclassified.....			49	8, 820	49	8, 820
Total.....	1, 740	348, 000	26, 828	812, 042	28, 568	1, 160, 042

Vessel classification, 1920.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers.....	224	9, 713
Sailing.....	11	2, 112
Barges.....	56	4, 124
Gasoline launches.....	13	91
Total.....	304	16, 040

OAKLAND HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	3,217,575	\$482,960,474	34,486,776	1919.....	2,344,098	\$177,637,302	42,061,360
1917.....	3,026,279	453,941,850	39,866,606	1920.....	1,716,332	132,653,552	43,103,249
1918.....	2,680,797	170,591,866	39,331,331				

[Navigation season: Opened Jan. 1, closed Dec. 31.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products.....		86,925		\$14,600,440
Coconut oil.....	18,128		\$6,344,800	
Copra.....	68,797		8,255,640	
Total.....		86,925		14,600,440

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS.					
Vegetable food products.....			97,685		\$10,815,905
Grain.....		39,105		\$2,737,350	
Flour.....		1,022		127,750	
Hay.....		1,953		48,825	
Vegetables and fruits.....		17,004		1,190,280	
Sugar ¹		16,471		4,941,300	
Molasses ¹		22,130		1,770,400	
Wood and paper ¹			483,748		23,613,380
Ties, railroad.....	27,201			816,030	
Piling.....	3,780			189,000	
Lumber.....	452,767			22,608,350	
Nonmetallic minerals.....			764,887		11,689,327
Coal ¹	283,348			4,250,220	
Fuel oil.....		358,686		5,021,604	
Refined oils, various.....		20,920		2,092,000	
Stone and sundry.....	66,980			133,980	
Sand.....	17,023			17,023	
Gravel.....	7,200			7,200	
Cement.....		6,002		120,040	
Salt.....		4,728		47,280	
Machinery and vehicles: Machinery.....		23,255	23,255	6,976,500	6,976,500
Unclassified.....		173,221	173,221	43,305,250	43,305,250
Total.....	858,299	684,497	1,542,796		96,400,362
SHIPMENTS.					
Unclassified.....		86,611	86,611	21,652,750	21,652,750
Total receipts and shipments.....	858,299	771,108	1,629,407		118,053,112

¹ Coastwise traffic.

Freight traffic, 1920—Continued.

FERRY TRAFFIC.

	Commodities.	Short tons.	Passengers.	Auto-mobiles.	Wagons and buggies.
General ferry.....	General merchandise.....	232, 519	43, 103, 849	556, 966	218, 328
Car ferry.....	Freight.....	542, 688			
Total.....		775, 207	43, 103, 849	556, 966	218, 328

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.				Total.	
	Tons.	Value.	Coastwise.		Other domestic.		Tons.	Value.
			Tons.	Value.	Tons.	Value.		
Vegetable food products.....	86, 925	\$14, 600, 440	38, 601	\$6, 711, 700	59, 084	\$4, 104, 205	184, 610	\$25, 416, 345
Wood and paper.....			483, 748	23, 613, 380			483, 748	23, 613, 380
Nonmetallic minerals.....			283, 348	4, 250, 220	481, 539	7, 439, 107	764, 887	11, 689, 327
Machinery and vehicles.....					23, 255	6, 976, 500	23, 255	6, 976, 500
Unclassified.....					259, 832	64, 958, 000	259, 832	64, 958, 000
Total.....	86, 925	14, 600, 440	805, 697	34, 575, 300	823, 710	83, 477, 812	1, 716, 332	132, 653, 552

General ferry, 232,519 short tons; 43,103,849 passengers; 556,966 automobiles; 218,328 wagons and buggies.
Car ferry, 542,688 short tons.

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers.....	3, 188	2, 554, 246
Sailing.....	151	159, 047
Gas boats.....	1, 125	46, 460
Motorships.....	8	19, 718
Barges.....	433	73, 380
Barges, unrigged.....	1, 798	490, 600
Gasoline launches.....	375	4, 725
Total.....	7, 088	3, 348, 176

Passengers carried, 43,103,840.

RICHMOND HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917.....	2, 759, 538	\$31, 077, 234	1919.....	1 36, 707	\$5, 736, 103
1918.....	2, 076, 116	33, 766, 420	1920.....	1 55, 480	23, 348, 434

¹ In addition to the above there was considerable traffic handled over wharves located near the entrance and north of Richmond Harbor, amounting to 398,467 tons of foreign freight, valued at \$22,014,255, and 2,518,214 tons of domestic freight, valued at \$47,729,240, making a total of 2,916,681 tons of freight, valued at \$69,743,495, in 1920. See Richmond Outer Harbor.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
RECEIPTS.							
Animals and animal products, except wool and hair: Meats, dairy produce, fish.....		462	462	\$231,000	\$231,000	Miles. Cents.	
Vegetable food products.....			46,638		22,834,252		
Hay.....		500		10,000			
Canned goods, various, flour, and groceries.....		7,500		1,612,500			
Fruits and vegetables.....		1,000		65,000			
Canned fruits.....		150		29,022		57 2.8	
Sugar, refined.....		37,488		21,117,730		20 7.8	
Nonmetallic minerals.....			5,473		31,850		
Gasoline.....		23		1,350		3	
Sand.....	4,000			6,000			
Cement.....		1,450		24,500		25 4.8	
Ores, metals, and manufactures of, except machinery and vehicles.....			2,169		29,496		
Steel.....		132		13,200		5	
Pyrites ¹	2,037			16,296		250 1	
Machinery and vehicles: Machinery and repair parts.....		700	700	210,000	210,000		
Chemicals: Explosives ¹		38	38	11,836	11,836	3,200	
Total.....	6,037	49,443	55,480		23,348,434		

¹ Coastwise traffic.

SUMMARY.

Classes of commodities.	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....			462	\$231,000	462	\$231,000
Vegetable food products.....			46,638	22,834,252	46,638	22,834,252
Nonmetallic minerals.....			5,473	31,850	5,473	31,850
Ores, metals, and manufactures of, except machinery and vehicles.....	2,037	\$16,296	132	13,200	2,169	29,496
Machinery and vehicles.....			700	210,000	700	210,000
Chemicals.....	38	11,836			38	11,836
Total.....	2,075	28,132	53,405	23,320,302	55,480	23,348,414

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers.....	75	62,946
Gas boats.....	620	24,800
Gasoline launches.....	14	110
Barges.....	53	9,200
Total.....	762	97,056

RICHMOND OUTER HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917.....	¹ 2,759,538	\$31,077,234	1919.....	² 2,767,023	\$67,362,008
1918.....	¹ 2,076,116	33,766,420	1920.....	² 2,916,681	69,780,495

¹ Includes commerce of Richmond Harbor proper.² Does not include commerce of Richmond Harbor proper.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Coconut oil.....	3,366	3,366	\$925,620	\$925,620
EXPORTS.				
Nonmetallic minerals.....		395,101		21,088,635
Refined oils.....	206,210		\$9,279,450	
Fuel oil.....	110,607		1,216,677	
Lubricating oils.....	74,540		10,510,140	
Asphaltum.....	3,744		82,368	
Total.....		395,101		21,088,635
Total imports and exports.....		398,467		22,014,255

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.							
Wood and paper.....			30,336		\$695,650	Miles.	Cents.
Railroad ties.....	18,261			\$203,525		120	3
Lumber.....	121,795	280		489,125		700	3
Nonmetallic minerals.....			372,636		8,223,952		
Petroleum, crude.....	239,217			2,631,387			
Refined oils.....	121,150			5,451,750			
Fuel oil.....	12,117			133,287			
Petroleum products.....		102		6,528			
Brick.....	50			1,000		10	
Machinery and vehicles.....			220		24,000		
Machinery, power.....		40		8,000		10	
Machinery, construction.....		60		6,000		10	
Machinery, crushing.....		120		10,000		10	
Unclassified.....		4,884	4,884	295,640	295,640		
Total.....	402,500	5,186	408,076		9,239,242		
SHIPMENTS.							
Nonmetallic minerals.....			2,105,974		38,277,158		
Fuel oil.....	1,683,088			18,513,968			
Refined oils.....	233,292			10,498,140			
Lubricating oils.....	32,704			4,611,264			
Petroleum products.....		71,471		4,574,144			
Crushed rock.....	85,419			79,612		22	
Unclassified.....		4,164	4,164	219,840	249,840		
Total.....	2,034,503	75,635	2,110,138		38,525,998		
Total receipts and shipments.....	2,437,093	81,121	2,518,214		47,766,240		

¹ Coastwise traffic.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Vegetable food products.....	3,366	\$925,620		
Nonmetallic minerals.....			395,101	\$21,088,635
Total.....	3,366	925,620	395,101	21,088,635

Classes of commodities.	Domestic.				Total, foreign and domestic.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products.....					3,366	\$925,620
Wood and paper.....	30,336	\$695,650			30,336	695,650
Nonmetallic minerals.....			2,478,610	\$46,501,110	2,873,711	67,589,745
Machinery.....			220	24,000	220	24,000
Unclassified.....			9,048	545,480	9,048	545,480
Total.....	30,336	695,650	2,487,878	47,070,590	2,916,681	69,780,495

Vessel classification.

Classes.	Total number trips, foreign.	Total number trips, American.	Total net registered tonnage.
Foreign:			
Steamers.....	21		79,810
Motor ships.....	3		9,777
Sailing.....	1		901
American:			
Steamers.....		793	1,008,666
Motor ships.....		5	4,232
Sailing.....		2	860
Barges, rigged.....		112	238,947
Barges, unrigged.....		1,402	440,740
Towboats (tugs).....		2,075	149,252
Gas boats.....		2,238	111,232
Gasoline launches.....		16	160
River steamers.....		167	55,310
Total.....	25	6,810	2,099,887

SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers..
1916.....	14,121,943	\$84,039,171	550,000	1919.....	14,321,904	\$164,059,377	1,013,378
1917.....	11,531,518	190,415,982	704,414	1920.....	1,302,778	36,503,808	1,040,625
1918.....	13,998,014	128,909,637	1,014,895				

¹ Does not include traffic on Mare Island Strait.

² The traffic of Carquinez Strait, now reported separately, has heretofore been included in San Pablo Bay report.

1230 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Chemicals.....		14,486		\$1,061,420
Nitrate soda.....	14,118		\$888,260	
Amite.....	368		73,160	
Total.....		14,486		1,061,420
EXPORTS.				
Vegetable food products: Flour.....	49,402	49,402	6,175,250	6,175,250
Chemicals.....		2,285		882,948
High explosives.....	885		372,400	
Blasting powder.....	132		17,932	
Dynamite.....	1,254		486,407	
Other explosives.....	14		6,119	
Total.....		51,687		7,058,198
Total imports and exports.....		66,173		8,119,618

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
RECEIPTS.							
Wood and paper: Lumber.....		149	149	\$3,500	\$3,500	Miles. 28	
Nonmetallic minerals.....			669,766		12,078,756		
Petroleum, crude ¹	545,587			6,467,075		200	
Topped petroleum ¹	102,538			5,388,662		200	
Fuel oil.....	21,641			223,019		10	
Ores, metals and manufactures of: Lead and silver ore.....		7,534	7,534	1,380,580	1,380,580	28	
Chemicals.....			87		13,200		
Blasting powder.....		80		11,200		17	
Acids.....		7		2,000		28	
Unclassified.....		212	212	106,000	106,000	28	
Total.....	669,766	7,982	677,748		13,582,036		
SHIPMENTS.							
Textiles: Bags.....		64	64	2,553	2,553	28	
Wood and paper: Lumber.....		31	31	600	600	20	
Nonmetallic minerals.....			537,009		12,342,527		
Gasoline and other light products.....	86,025	3,711		5,766,234			
Illuminating oil.....	10,219	982		484,355			
Gas and fuel oil.....	416,719	3,824		5,176,252			
Lubricating oil.....		6,707		693,073			
Lubricating grease.....		230		32,467			
Asphalt and road oil.....		8,592		190,146			
Ores, metals and manufactures of: Steel tanks.....		30	19,510		2,027,850		
Lead and silver ore.....	19,222	258		1,300		60	
Chemicals.....			2,217	2,026,550	425,624	28	
Acids.....		749		59,300		28	
Powder.....		306		73,440		20	
Dynamite.....		1,128		290,012		17	
Glycerin drums, boxes.....		34		2,872		17	
Unclassified.....		26	26	3,000	3,000	28	
Total.....	532,185	26,672	558,857		14,802,154		
Total receipts and shipments.....	1,201,951	34,654	1,236,605		28,384,190		

¹ Coastwise traffic.

Freight traffic, 1920—Continued.

FERRY TRAFFIC.

	Short tons.	Value.	Passengers.	Automobiles.	Motor cycles.	Stages.	Teams.
General ferry	19,884	\$8,000,000	4,518,549	215,982	6,560	6,074	301

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Vegetable food products.....			49,402	\$6,175,250
Chemicals.....	14,486	\$1,061,420	2,285	882,948
Total.....	14,486	1,061,420	51,687	7,058,198

Classes of commodities.	Domestic.				Total, foreign and domestic.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products.....					49,402	\$6,175,250
Textiles.....			64	\$2,553	64	2,553
Wood and paper.....			180	4,100	180	4,100
Nonmetallic minerals.....	669,766	\$12,078,756	537,009	12,342,527	1,206,775	24,421,283
Ores, metals and manufactures of.....			27,044	3,408,430	27,044	3,408,430
Chemicals.....			2,304	438,824	19,075	2,383,162
Unclassified.....			238	109,000	238	109,000
Total.....	669,766	12,078,756	566,839	16,305,434	1,302,778	36,503,808

	Short tons.	Value.	Passengers.	Automobiles.	Motor cycles.	Stages.	Teams.
General ferry	19,884	\$8,000,000	4,518,549	215,982	6,560	6,074	301

¹ The traffic of Carquinez Strait, now reported separately, has heretofore been included in San Pablo Bay report.

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.	Passengers.
Bay steamers ¹	2,761	2,707,328	885,406
Steamers, various.....	600	586,656	
Motor ships.....	219	36,893	
Barges, rigged.....	251	328,662	
Barges.....	796	244,376	
Towboats.....	256	37,197	
Gasoline launches.....	828	9,855	
River steamers ²	1,763	1,037,982	155,219
Total.....	7,474	4,988,939	1,040,625

¹ Operating on regular schedules between San Francisco and San Pablo Bay and Mare Island Strait points.

² Operating on regular schedules between San Francisco and interior points.

SUISUN BAY CHANNEL, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.
1919.....	288, 233	\$6, 849, 546
1920.....	362, 223	13, 033, 360

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Other vegetable products: Rubber, crude.....	135	135	\$103, 000	\$103, 000
EXPORTS.				
Other vegetable products: Manufactured rubber goods, (mechanical).....	476	476	701, 600	701, 600
Ores, metals and manufactures of: Steel bars.....	15, 520	15, 520	1, 396, 620	1, 396, 620
Total.....		15, 996		2, 098, 220
Total imports and exports.....		16, 131		2, 201, 220

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.							
Vegetable food products.....			2, 370		\$123, 630	Miles.	
Hay.....		100		\$2, 500			
Asparagus.....		1, 571		78, 550			
Pears.....		614		36, 840			
Peaches.....		69		4, 140			
Cherries.....		16		1, 600			
Textiles: Crude materials, yarn, duck.....		556	556	335, 000	335, 000	53	\$0.09
Wood and paper.....			281, 600		6, 173, 500		
Lumber ¹	77, 000			1, 570, 000		200	.0175
Lumber, lath, shingles ¹	204, 600			4, 603, 500		435	
Nonmetallic minerals.....			16, 700		197, 200		
Fuel oil.....	15, 000			170, 000		40	
Cement.....		1, 500		25, 000			
Brick.....	200			2, 200			
Ores, metals, and manufactures of.....			504		101, 990		
Wire rope.....		500		100, 000			
Copper pipe.....		4		1, 990			.182
Machinery and vehicles: Boilers.....		350	350	78, 000	78, 000	40	.08
Unclassified.....		3, 060	3, 060	770, 000	770, 000	50	
Total.....	296, 800	8, 340	305, 140		7, 779, 320		

¹ Coastwise traffic.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS.							
Vegetable food products.....			908		\$96,570	<i>Miles.</i>	
Canned goods.....		731		\$87,720		50	\$0.072
Mill stuffs.....		177		8,850		50	.072
Other vegetable products.....			772		1,100,000		
Crude and reclaimed rubber.....		183		75,000		53	.05
Manufactured rubber goods (mechanical).....		589		1,025,000		53	.05
Wood and paper.....			30,700		943,250		
Lumber.....	500			10,000		50	.03
Lumber, lath, shingles.....	29,700			668,250		40	
Sash, doors, moldings.....		500		265,000		50	.03
Ores, metals, and manufactures of.....			580		83,000		
Steel castings.....	380			80,000		50	
Scrap iron.....	200			3,000		435	
Unclassified.....		7,992	7,992	830,000	830,000	51	.061
Total.....	30,780	10,172	40,952		3,052,820		
Total receipts and shipments.....	327,580	18,512	346,092		10,832,140		

Car ferry traffic (San Francisco-Sacramento Railroad Co.), short tons, 124,650; value, \$24,930,000; passengers, 296,270.

SUMMARY.

Classes of commod- ities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food prod- ucts.....							3,278	\$220,200	3,278	\$220,200
Other vegetable products.....	135	\$103,000	476	\$701,600			772	1,100,000	1,383	1,904,600
Textiles.....							556	335,000	556	335,000
Wood and paper.....					281,600	\$6,173,500	30,700	943,250	312,300	7,116,750
Nonmetallic minerals Ores, metals, and manufactures of.....			15,520	1,396,620			16,700	197,200	16,700	197,200
Machinery and ve- hicles.....							1,084	184,990	16,604	1,581,610
Unclassified.....							350	78,000	350	78,000
							11,052	1,600,000	11,052	1,600,000
Total.....	135	103,000	15,996	2,098,220	281,600	6,173,500	64,492	4,658,640	362,223	13,033,360

Car ferry,¹ short tons, 124,650; value, \$24,930,000; passengers, 296,270.

Vessel classification.

Classes.	Total number of trips	Total net registered tonnage.	Passengers.
River steamers ¹	1,763	1,037,982	155,219
Steamers, various.....	198	296,099	
Barges.....	157	70,305	
Towboats.....	77	1,540	
Gasoline launches.....	80	400	
Total.....	2,275	1,406,326	155,219

¹ Operating on regular schedules between San Francisco and interior points.

SUISUN CHANNEL, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1916.....	52,718	\$494,397	1919.....	16,731	\$184,041
1917.....	62,842	1,231,670	1920.....	71,207	844,086
1918.....	44,527	445,270			

[Season of navigation: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND.						
Nonmetallic minerals.....			71,207		\$844,086	Miles.
Fuel oil.....	69,876			\$757,580		45
Gasoline.....	751	36		59,421		45
Distillate.....	10	62		4,011		45
Kerosene.....	431	21		20,436		45
Lubricating oil.....		17		1,903		45
Lubricating greases.....		3		735		45
Total.....	71,068	139	71,207		844,086	

No downbound traffic.

SUMMARY.

Classes of commodities.	Tons.	Value.
Nonmetallic minerals.....	71,207	\$844,086

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Gas boats.....	6	300
Barges.....	116	37,990
Gasoline launches.....	116	1,565
Total.....	238	39,855

NAPA RIVER, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1916.....	116,891	\$2,774,212	1919.....	76,667	\$2,318,922
1917.....	130,093	2,981,602	1920.....	111,118	1,054,736
1918.....	93,634	2,479,095			

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.							
Animals and animal products, except wool and hair.			151		\$20,820		
Hides, tallow, acids.		66		\$19,800		45	
Shells.	85			1,020		45	
Vegetable food products.			1,028		47,030		
Hay, grain, mill feed.		637		25,480		45	
Fruits and vegetables.		383		19,150		45	
Wines.		8		2,400		45	
Wood and paper: Lumber.		720		18,000	18,000	45	\$0.055
Nonmetallic minerals.			11,359		403,386		
Refined oil products.		7,181		394,276		45	
Crushed rock.	4,120			8,240		30	.02
Cement, lime, brick.		58		870		45	
Unclassified.		1,608	1,608	321,600	321,600	45	
Total.....	4,205	10,661	14,866		810,836		
DOWNBOUND.							
Animals and animal products, except wool and hair: Hides, tallow, acids.		236	236	70,800	70,800	45	
Vegetable food products.			498		8,800		
Hay.		158		3,950		45	.044
Fruits and vegetables.		70		3,500		45	
Mineral water.		270		1,350		45	
Nonmetallic minerals: Gravel.	94,904		94,904	41,500	41,500	45	.03
Unclassified.		614	614	122,800	122,800	45	
Total.....	94,904	1,348	96,252		243,900		
Total upbound and downbound.....	99,109	12,009	111,118		1,054,736		

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.	357	\$91,620
Vegetable food products.	1,526	55,830
Wood and paper.	720	18,000
Nonmetallic minerals.	106,263	444,886
Unclassified.	2,222	444,400
Total.	111,118	1,054,736

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers.	12	1,908
Gas boats.	146	7,252
Barges.	315	45,500
Gasoline launches.	301	2,423
Total.	774	57,083

PETALUMA CREEK, CALIF.

Comparative statement of traffic. 1920.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	216,964	\$16,797,146	2,947	1919.....	235,208	18,063,925	1,483
1917.....	284,423	19,194,642	1,761	1920.....	281,616	17,061,972	939
1918.....	238,178	20,817,591	1,716				

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Pack- age.		By com- modities.	By classes.		
UPBOUND.							
Animals and animal products, except wool and hair.....			9,271		\$984,133	Miles.	
Horses.....		897		\$39,425		30	\$.075
Leather.....		845		845,000		30	.075
Shells.....	7,334			88,008			
Fish meal.....		195		11,700			
Vegetable food products.....			58,584		5,029,110		
Barley.....		3,530		211,800			
Corn.....		4,210		294,700			
Oats.....		1,405		91,325			
Wheat.....		2,289		160,230			
Flour.....		997		124,625		30	.075
Flour and feed.....	25,461			2,036,880		30	.075
Hay.....	5,068			126,700			
Bran and middlings.....	7,613			380,650			
Vegetables, groceries, and beer.....		8,011		1,602,200		30	.075
Other vegetable products:							
Tan bark.....		37	37	1,221	1,221	30	.075
Wood and paper.....			9,691		242,275		
Railroad ties.....		258		6,450		30	.075
Shingles.....		636		15,900		30	.075
Lumber.....		8,797		219,925			
Nonmetallic minerals.....			18,192		210,953		
Fuel oil.....	12,057			156,741			
Gasoline.....		495		37,125			
Asphalt blocks.....	350			1,750			
Sand.....	2,845			4,267			
Bricks.....	1,800			7,200			
Salt.....		645		3,870			
Ores, metals and manufactures of: Hardware, pipe.....		2,982	2,982	596,400	596,400	30	.075
Machinery and vehicles.....			829		410,100		
Machinery.....		357		107,100		30	.075
Automobiles.....		400		286,000		30	.075
Vehicles.....		72		17,000		30	.075
Unclassified.....		9,384	9,384	1,876,800	1,876,800	30	.075
Total.....	24,386	84,584	108,970		9,350,992		
DOWNBOUND.							
Animals and animal products, except wool and hair.....			13,285		6,481,560		
Cattle.....		240		48,000		30	.075
Hogs.....		262		42,060		30	.075
Poultry, dairy products, and eggs.....	12,613			6,306,500		30	.075
Hides.....		170		85,000		30	.075

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value		Average haul.	Rate per ton-mile.
	Bulk.	Pack- age.		By com- modities.	By classes.		
DOWNBOUND—continued.							
Vegetable food products.....			8,535		\$452,210		
Oats.....		190		\$12,350			
Flour.....		549		68,625		30	\$0.075
Feed.....		3,536		176,800		30	.075
Hay.....		1,719		42,975			
Brans and middlings.....		100		5,000			
Fruits.....		2,441		146,460		30	.075
Textiles: Wool.....		16	16	8,000	8,000	30	.075
Wood and paper.....			341		4,825		
Shooks.....		185		925			
Nonmetallic minerals.....		156		3,900		30	.075
Gasoline.....		232	148,111	17,400	248,385		
Asphalt blocks.....	2,619			13,095		30	.075
Crushed rock.....	145,260			217,890			
Machinery and vehicles.....			119		68,200		
Engines and pumps.....		47		23,500		30	.075
Automobiles.....		57		41,000		30	.075
Vehicles.....		15		3,700		30	.075
Unclassified.....		2,239	2,239	447,800	447,800	30	.075
Total.....	147,879	24,767	172,646		7,710,980		
Total upbound and downbound.....	172,265	109,351	281,616		17,061,972		

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	22,556	\$7,465,093
Vegetable food products.....	67,119	5,481,320
Other vegetable products.....	37	1,221
Textiles.....	16	8,000
Wood and paper.....	10,032	247,100
Nonmetallic minerals.....	166,303	459,338
Ores, metals, and manufactures of.....	2,982	596,400
Machinery and vehicles.....	948	478,300
Unclassified.....	11,623	2,324,600
Total.....	281,616	17,061,972

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.	Passengers.
Steamers.....	486	140,088	939
Sailing.....	39	2,003	
Gas boats.....	106	4,269	
Barges.....	247	39,568	
Total.....	878	185,928	939

MONTEREY HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1916.....	275,686	\$2,084,300	1919.....	173,871	\$6,570,347
1917.....	248,398	8,710,910	1920.....	263,919	7,638,360
1918.....	197,168	8,331,500			

[Navigation season, opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE. .							
Animals and animal products, except wool and hair: Butter and cheese.....		4	4	\$2,315	\$2,315	Miles. 100	\$0.05
Vegetable food products: Grain, flour, vegetables, fruits, coffee, sugar, fats.....		172	172	27,120	27,120	100	.05
Other vegetable products: Drugs and tobacco.....		7	7	5,680	5,680	100	.05
Textiles: Textile products.....		5	5	2,120	2,120	100	.05
Wood and paper.....			235		3,750		
Lumber.....		216		2,500			
Paper, barrels, boxes, and box shooks.....		19		1,250		100	.05
Nonmetallic minerals.....			348,663		4,184,845		
Coal, glass, and glass products.....		8		985		100	.05
Fuel oil.....	348,655			4,183,860		100	
Ores, metals, and manufactures of: Iron and steel products.....		8	8	1,105	1,105	100	.05
Chemicals: Chemicals used in fish canneries.....		2	2	475	475	100	.05
Unclassified.....		2,191	2,191	825,258	825,258	100	
Total.....	348,655	2,632	351,287		5,052,668		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.....			12,105		2,443,492		
Fish.....		12,101		2,442,872		100	
Abalone shells.....		7		620		100	.05
Vegetable food products: Apples, fresh.....		67	67	15,000	15,000	100	.05
Unclassified.....		457	457	127,200	127,200		
Total.....		12,632	12,632		2,585,692		
Total receipts and shipments.....	348,655	15,264	363,919		7,638,360		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	12, 112	\$2, 445, 807
Vegetable food products.....	239	42, 120
Other vegetable products.....	7	5, 690
Textiles.....	5	2, 120
Wood and paper.....	235	3, 750
Nonmetallic minerals.....	348, 663	4, 184, 845
Ores, metals, and manufactures of.....	8	1, 105
Chemicals.....	2	475
Unclassified.....	2, 648	952, 458
Total.....	363, 919	7, 638, 360

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers.....	144	193, 301
Motorships.....	15	4, 800
Gasoline launches.....	94, 125	470, 625
Total.....	94, 284	668, 726

HUMBOLDT HARBOR AND BAY, CALIF.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916.....	445, 336	\$17, 421, 024	9, 487	1919.....	420, 453	13, 834, 185	12, 395
1917.....	463, 901	18, 415, 438	12, 153	1920.....	245, 539	10, 382, 435	10, 016
1918.....	305, 073	14, 180, 067	2, 252				

[Navigation season, opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber, railroad ties, and other forest products.....	55, 090	55, 090	\$1, 763, 110	\$1, 763, 110

Freight traffic, 1920—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals.....			32,574		\$489,000
Fuel oil.....		32,474		\$483,000	
Refined oils.....		100		6,000	
Machinery and vehicles: Automobiles.....		627	627	458,000	458,000
Unclassified: General merchandise.....		52,197	52,197	2,609,850	2,609,850
Total.....		85,398	85,398		3,556,850
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair.....			2,416		955,738
Albumen.....		31		3,000	
Milk, condensed.....		1,394		392,328	
Milk, sugar.....		2		1,000	
Milk, dry.....		273		70,750	
Casin.....		20		3,400	
Butter.....		101		111,760	
Cheese.....		101		65,400	
Canned salmon.....		321		193,000	
Tallow.....		45		18,000	
Hides and pelts.....		98		78,800	
Leather.....		3		13,600	
Glue stock.....		27		4,700	
Vegetable food products.....			34		8,257
Oats.....		8		4,375	
Beans.....		4		970	
Potatoes.....		13		1,112	
Vetch.....		9		1,800	
Other vegetable products.....			34		31,900
Cascara bark.....		5		2,700	
Plants.....		29		29,200	
Textiles: Wool.....		7	7	7,050	7,050
Wood and paper.....			97,805		3,592,890
Lumber, railroad ties, and other forest products ¹	97,502			3,562,890	
Furniture, household goods.....		303		30,000	
Machinery and vehicles: Automobiles.....		46	46	60,000	60,000
Unclassified.....			4,709		406,640
General merchandise.....		4,626		390,000	
Empty tanks, drums, boxes.....		83		16,640	
Total shipments.....	97,502	7,549	105,051		5,062,475
Total receipts and shipments.....	97,502	92,947	190,449		8,619,325

¹ Includes 11,310 tons, valued at \$217,827, shipped to the Hawaiian Islands.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....			2,416	\$655,738	2,416	\$655,738
Vegetable food products.....			34	8,257	34	8,257
Other vegetable products.....			34	31,900	34	31,900
Textiles.....			7	7,050	7	7,050
Wood and paper.....	55,090	\$1,763,110	97,805	3,592,890	152,895	5,356,000
Nonmetallic minerals.....			32,574	490,000	32,574	490,000
Machinery and vehicles.....			673	518,000	673	518,000
Unclassified.....			56,906	3,016,490	56,906	3,016,490
Total.....	55,090	1,763,110	190,449	8,619,325	245,539	10,382,435

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.	Passengers.
Arrivals from domestic ports:			
Steamers.....	456	187,403	5,288
Sailing.....	25	23,986	
Total.....	481	211,389	
Departures: ¹			
Steamers.....	461	192,394	4,728
Sailing.....	27	25,226	
Total.....	488	217,619	10,016

¹ To domestic ports, 451; to Hawaiian Islands, 6; to foreign ports, 31.

CRESCENT CITY HARBOR, CALIF.

Comparative statement of traffic.

This project having been but recently adopted no statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Unclassified: General merchandise.....		7,842	7,842	\$392,100	\$392,100	Miles. 290	\$0.017
SHIPMENTS, COASTWISE.							
Wood and paper: Lumber.....	33,014		33,014	990,420	990,420	290	.024
Unclassified: Butter, cheese, and general merchandise.....		2,015	2,015	135,800	135,800	290	.017
Total.....	33,014	2,015	35,029	1,126,220	1,126,220		
Total receipts and shipments	33,014	9,857	42,871	1,518,320	1,518,320		

SUMMARY.

Classes of commodities.	Tons.	Value.
Wood and paper.....	33,014	\$990,420
Unclassified.....	9,857	527,900
Total.....	42,871	1,518,320

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers.....	62	11,394
Gas boats.....	22	1,760
Total.....	84	13,154

CARQUINEZ STRAIT, CALIF.

Comparative statement of traffic.

In prior years the traffic of this waterway, which connects San Pablo Bay and Suisun Bay, Calif., has been included in report covering San Pablo Bay.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Crude oil, Mexican.....	8,464	8,464	\$14,872	\$14,872
EXPORTS.				
Vegetable food products.....		38,869		2,601,070
Barley.....	33,347		2,000,820	
Flour.....	5,522		690,250	
Nonmetallic minerals.....		98,817		3,540,130
Fuel oil.....	20,457		356,042	
Refined oils.....	60,109		2,575,070	
Lubricating oils.....	8,251		594,146	
Total.....		137,686		6,231,200
Total imports and exports.....		146,150		6,246,072

DOMESTIC.

Classes of commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.
	Bulk.	Package.		By com- modities.	By classes.	
RECEIPTS.						
Vegetable food products.....			407,066		\$71,118,888	Miles.
Barley.....		678		\$40,690		60
Corn.....		133		9,310		60
Wheat.....		70		4,900		60
Fresh fruits.....		381		33,718		
Sugar.....		68		28,230		
Raw sugar.....		405,726		71,002,050		
Other vegetable products: Tan bark.....	550		550	20,800	20,800	
Nonmetallic minerals: Fuel oil.....	3,316	134	3,450	37,684	37,684	
Ores, metals and manufactures of: Cans.....		30	30	7,612	7,612	
Unclassified.....		52	52	7,154	7,154	
Total.....	3,866	407,272	411,138		71,192,138	
SHIPMENTS.						
Animals and animal products, except wool and hair: Fish.....		48	48	15,655	15,655	
Vegetable food products.....			2,391		150,703	
Barley.....		1,663		99,780		40
Corn.....		382		26,740		30
Oats.....		116		7,546		30
Wheat.....		196		13,720		10
Canned fruits.....		34		2,917		
Nonmetallic minerals.....			1,519,419		20,386,313	
Fuel oil.....	1,405,882			15,858,194		
Refined oils.....	108,606			4,160,006		
Lubricating oils.....		4,729		340,530		
Greases.....		202		27,583		
Total.....	1,514,488	7,370	1,521,838		20,552,671	
Total receipts and shipments.	1,518,354	414,642	1,932,996		91,744,809	

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....					48	\$15,655	48	\$15,655
Vegetable food products.....			38,869	\$2,691,070	409,447	71,289,591	448,316	73,960,661
Other vegetable products.....					550	20,800	550	20,800
Nonmetallic minerals.....	8,464	\$14,872	98,817	3,540,130	1,522,869	20,423,997	1,630,150	23,978,999
Ores, metals and manufactures of.....					30	7,612	30	7,612
Unclassified.....					52	7,154	52	7,154
Total.....	8,464	14,872	137,686	6,231,200	1,932,996	91,744,809	2,079,146	97,990,881

Car ferry.	Short tons.	Passengers.
Car ferry.....	1,795,785	1,244,137

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
American:		
Steamers.....	1,805	1,726,042
Sailing.....	9	4,659
Motor ships.....	5	695
Foreign:		
Steamers.....	13	40,096
Sailing.....	3	10,588
Motor ships.....	1	2,230
Barges.....	1,196	433,721
Towboats.....	1,467	14,730
River steamers ¹	1,763	1,037,962
Total.....	6,262	3,270,743

¹ Passengers carried, 155,219. Operating on regular schedules between San Francisco and interior points.

FRESHWATER SLOUGH, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND.							
Wood and paper.....			10,410		\$92,500	Miles.	
Railroad ties.....	10,000			\$80,000		5	\$0.05
Shingles.....		410		12,500		5	.24
Total.....			10,410		92,500		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Wood and paper.....	10,410	\$92,500

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Barges.....	77	11,300

EUREKA SLOUGH, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
RECEIPTS.							
Nonmetallic minerals: Petroleum, crude.....	667	.....	667	\$10,000	\$10,000	<i>Miles.</i> 5	\$0.09
SHIPMENTS.							
Wood and paper.....	.....	.....	40,708	.....	294,400	.....	.....
Logs and round timber.....	39,068	.....	.....	260,000	.....	4	.02
Railroad ties.....	640	.....	.....	6,400	.....	4	.10
Shingles.....	.....	1,000	.....	28,000	.....	4	.10
Nonmetallic minerals: Brick.....	415	.....	415	1,800	1,800	3	.08
Machinery and vehicles: Machinery.....	.....	50	50	3,000	3,000	4	.12
Total.....	40,123	1,050	41,173	.....	299,200	.....	.....
Total receipts and shipments.....	40,790	1,050	41,840	.....	309,200	.....	.....

SUMMARY.

Classes of commodities.	Tons.	Value.
Wood and paper.....	40,708	\$294,400
Nonmetallic minerals.....	1,062	11,800
Machinery and vehicles.....	50	3,000
Total.....	41,840	309,200

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Barges.....	35	3,800
Rafts.....	115	39,100
Total.....	150	42,900

NOYO RIVER, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS, COASTWISE.				
Animals and animal products, except wool and hair:				
Fish, fresh.....	710	710	\$178,000	\$178,000

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	710	\$178,000

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Gasoline launches (fishing craft).....	34,500	69,000

MOUTH OF CASPAR CREEK, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Unclassified	268	1,363	1,631	\$294,120	\$294,120	Miles. 127	\$0.0373
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair: Hides.....		7	7	3,220	3,220	127	.0471
Vegetable food products: Apples.....		64	64	4,800	4,800	127	.0275
Other vegetable products, except fibers and wood: Tan bark.....	696		696	22,968	22,968	127	.0327
Wood and paper: Lumber.....	58,418		58,418	1,460,450	1,460,450	127	.0155
Ores, metals, and manufactures of: Scrap iron.....	40		40	800	800	127	.0275
Total.....	59,154	71	59,225		1,492,238		
Total receipts and shipments.....	59,422	1,434	60,856		1,786,358		

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	7	\$3,220
Vegetable food products.....	64	4,800
Other vegetable products, except fibers and wood.....	696	22,968
Wood and paper.....	58,418	1,460,450
Ores, metals, and manufactures of.....	40	800
Unclassified.....	1,631	294,120
Total.....	60,856	1,786,358

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers.....	53	19,186

SONOMA CREEK, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities.	By classes.	By commodities.	By classes.	
DOWNBOUND.					
Vegetable food products: Hay.....	4, 425	4, 425	\$79, 650	\$79, 650	Miles. 30

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products.....	4,425	\$79,650

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Gas boats.....	20	1,195
Sailing.....	6	246
Total.....	26	1,441

NAPA SLOUGH NO. 2 AND STEAMBOAT SLOUGH.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities.	By classes.	By commodities.	By classes.	
DOWNBOUND.					
Vegetable food products: Hay.....	2,727	2,727	\$49,086	\$49,086	Miles. 30

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products.....	2,727	\$49,086

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Gas boats.....	12	641
Sailing.....	20	820
Total.....	32	1,461

BOLINAS BAY, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Pack- age.		By com- modities.	By classes.	
RECEIPTS, COASTWISE.						
Vegetable food products.....			1,650		\$229,500	Miles.
Hay.....		100		\$2,500		20
Bran and middlings.....		500		26,000		20
Potatoes.....		50		2,000		20
Groceries.....		1,000		200,000		20
Wood and paper: Lumber, shingles, doors.		600	600	18,000	18,000	20
Nonmetallic minerals.....			1,200		11,250	20
Coal.....		50		700		20
Fuel oil.....		50		550		20
Gasoline.....		100		7,000		20
Stone, sand, gravel, cement.....	1,000			3,000		20
Total.....	1,000	2,450	3,450		258,750	
SHIPMENTS, COASTWISE.						
Animals and animal products, except wool and hair.....			614		156,980	
Hogs.....		40		12,000		20
Meat, poultry, eggs.....		500		125,000		20
Cream.....		60		12,000		20
Cheese.....		11		6,600		20
Hides.....		3		1,380		20
Total.....		614	614		156,980	
Total receipts and shipments.....	1,000	3,064	4,064		415,730	

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products.....	614	\$156,980
Vegetable food products.....	1,650	229,500
Wood and paper.....	600	18,000
Nonmetallic minerals.....	1,200	11,250
Total.....	4,064	415,730

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Gas boats.....	104	2,912

SOUTH BAY, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper.....		28,539		\$606,159
Railroad ties.....	6,328		\$97,675	
Lumber.....	22,211		598,484	
Total.....		28,539		606,159

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.							
Unclassified: Merchandise.....		706	706	\$28,432	\$28,432	Miles. 216	\$0.28
SHIPMENTS.							
Wood and paper.....			12,491		243,642		
Railroad ties.....	206			3,302		216	.18
Lumber.....	12,085			233,863		216	.18
Shakes.....		78		3,977		216	.18
Grape stakes.....	102			2,400		216	.18
Posts.....	20			100		216	.18
Total.....	12,413	78	12,491		243,642		
Total receipts and shipments..	12,413	784	13,197		272,074		

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper.....	28,539	\$696,159	12,491	\$243,642	41,030	\$939,801
Unclassified.....			706	28,432	706	28,432
Total.....	28,539	696,159	13,197	272,074	41,736	968,233

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Foreign:		
Steamers.....	15	13,284
Sailing.....	18	20,314
Motorship.....	1	1,424
Domestic steamers.....	35	8,462
Total.....	69	43,484

MONTEZUMA CREEK, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities.	By classes.	By commodities.	By classes.	
DOWNBOUND.					
Vegetable food products: Barley.....	338	338	\$20,280	\$20,280	Miles. 14

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products.....	338	\$20,280

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Gas boats.....	3	1,126

MONTEZUMA SLOUGH, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
UPBOUND.				
Nonmetallic minerals.....		37		\$3,350
Gasoline.....	10		\$800	
Refined oils.....	15		750	
Lubricating oil.....	12		1,800	
Total.....		37		3,350

SUMMARY.

Classes of commodities.	Tons.	Value.
Nonmetallic minerals.....	37	\$3,350

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers.....	15	2,385

PLUMMER CREEK, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
DOWNBOUND.						
Nonmetallic minerals: Salt.....	1,000	1,000	\$8,000	\$8,000	Miles. 32	\$0.035

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Nonmetallic minerals.....	1,000	\$8,000

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Gas boats.....	10	1,000

PLUMMER SLOUGH, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
DOWNBOUND.						
Nonmetallic minerals: Salt.....	2,000	2,000	\$16,000	\$16,000	Miles. 26	\$0.035

SUMMARY.

Classes of commodities.	Tons.	Value.
Nonmetallic minerals.....	2,000	\$16,000

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Gas boats.....	20	2,000

COYOTE HILL SLOUGH, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
UPBOUND.						
Textiles: Cotton bags.....	1,000	1,000	\$60,000	\$60,000	<i>Miles.</i> 24	\$0.03
Wood and paper: Paper boxes.....	1,000	1,000	150,000	150,000	24	.03
Nonmetallic minerals: Fuel oil and petroleum products.....	3,000	3,000	25,000	25,000	24	.03
Machinery and vehicles.....		1,500		40,000		
Machinery supplies.....	1,000		20,000		24	.03
Metal-working machinery.....	500		20,000		24	.03
Chemicals: Chemicals.....	50	50	1,000	1,000	24	.03
Total.....	6,550	6,550		276,000		
DOWNBOUND.						
Nonmetallic minerals: Salt.....	35,000	35,000	560,000	560,000	24	.03
Total upbound and downbound.....	41,550	41,550		836,000		

SUMMARY.

Classes of commodities.	Tons.	Value.
Textiles.....	1,000	\$60,000
Wood and paper.....	1,000	150,000
Nonmetallic minerals.....	38,000	585,000
Machinery and vehicles.....	1,500	40,000
Chemicals.....	50	1,000
Total.....	41,550	836,000

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers.....	300	90,000
Barges.....	17	5,000
Gasoline launches.....	17	120
Total.....	334	95,120

BERKELEY HARBOR, CALIF.

Comparative statement of traffic.

No statistics have been collected for previous years.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1920.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Chemicals.....		120		\$0,000
Fertilizer.....	114		\$8,550	
Bone meal.....	6		450	
Total.....		120		9,000
EXPORTS.				
Chemicals.....		745		55,875
Fertilizer.....	653		48,975	
Bone charcoal.....	92		6,900	
Total.....		745		55,875
Total imports and exports.....		865		64,875

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS.						
Animals and animal products, except wool and hair.....			674		\$11,494	Miles.
Fish oil.....		62		\$9,300		5
Oyster shells.....	612			2,194		30
Wood and paper: Lumber.....	11,575		11,575	347,250	347,250	
Chemicals: Fertilizer.....		54	54	4,050	4,050	5
Unclassified.....		8,981	8,981	449,050	449,050	
Total.....	12,187	9,097	21,284		811,844	
SHIPMENTS.						
Wood and paper: Lumber.....	10,644		10,644	319,320	319,320	
Chemicals: Fertilizer.....		8,172	8,172	612,900	612,900	
Unclassified.....		19,113	19,113	955,650	955,650	
Total.....	10,644	27,285	37,929		1,887,870	
Total receipts and shipments.....	22,831	36,382	59,213		2,699,714	

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.		Total.	
	Imports.		Exports.		Tons.	Value.	Tons.	Value.
	Tons.	Value.	Tons.	Value.				
Animals and animal products.....					674	\$11,494	674	\$11,494
Wood and paper.....					22,219	666,570	22,219	666,570
Chemicals.....	120	\$9,000	745	\$55,875	8,226	616,950	9,091	681,825
Unclassified.....					28,094	1,404,700	28,094	1,404,700
Total.....	120	9,000	745	55,875	50,213	2,699,714	60,078	2,764,589

Vessel classification.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers.....	204	16,571
Gas boats.....	32	2,432
Schooners.....	23	1,169
Lighters.....	348	27,744
Barges.....	75	15,155
Gasoline launches.....	71	420
Total.....	753	63,491

SAN FRANCISCO, CALIF., SECOND DISTRICT.

SAN JOAQUIN RIVER, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890 ¹	306,093	(*)	(*)	1901.....	357,746	(*)	84,842
1893 ²	432,250	(*)	(*)	1902.....	322,000	(*)	76,208
1894 ³	442,950	(*)	(*)	1903.....	376,883	(*)	(*)
1895 ⁴	664,370	(*)	(*)	1904.....	360,486	(*)	74,974
1896 ⁵	470,475	(*)	(*)	1905.....	373,186	(*)	(*)
1897 ⁶	476,850	(*)	(*)	1906.....	440,300	\$18,293,401	(*)
1898.....	(*)	(*)	(*)	1907.....	736,472	25,374,699	(*)
1899.....	371,200	(*)	55,000	1908.....	509,233	21,716,334	50,000
1900.....	(*)	(*)	(*)	1909.....	773,945	31,275,925	110,000
1901.....	527,684	(*)	57,840	1910.....	631,681	32,878,108	125,000
1901 ⁶	370,000	(*)	56,000	1911.....	600,128	35,768,215	100,556
1902 ⁷	395,000	(*)	90,000	1912.....	632,591	38,854,539	107,687
1903 ⁸	346,094	(*)	154,509	1913.....	820,399	38,341,174	207,249
1904 ⁹	295,651	(*)	100,178	1914.....	772,156	36,479,741	189,667
1905 ¹⁰	401,684	(*)	61,531	1915.....	831,234	36,358,240	213,915
1906 ¹¹	431,736	(*)	13,671	1916.....	824,222	42,179,160	182,486
1907 ¹²	454,955	(*)	112,039	1917.....	1,890,856	50,367,760	206,131
1908.....	287,524	(*)	64,975	1918 ¹³	2,114,382	65,204,825	236,379
1909.....	270,013	(*)	133,832	1919.....	647,156	54,110,043	221,259
1900.....	270,387	(*)	108,637	1920 ¹⁴	692,306	42,203,211	* 242,238

¹ Period, Jan. 1 to Dec. 15, 1890.² Stockton traffic only.³ No statistics available.⁴ For fiscal year ending June 30 of the year shown.⁵ For fiscal year ending May 31 of following year.⁶ Beginning with this year, statistics have been reported for the calendar year.⁷ Includes 1,348,146 tons of water, valued at \$8,533.⁸ Includes 19,065 tons of water, valued at \$1,922 and 2,596 tons of Government materials used in the work of the improvement, and valued at \$125,450.⁹ Includes 27,075 passengers carried in ferry traffic.

[Navigation season: Continuous.]

Freight traffic, 1920.

DOMESTIC.

LOCAL—(A) UPSTREAM TO STOCKTON.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
Animals and animal products, except wool and hair.....			512		\$137,650		Miles.	
Fish, fresh.....		145		\$43,500				
Hogs.....		120		32,400		103	23	\$0.337
Horses.....		247		61,750		127	40	.103
Vegetable food products.....			162,289		6,979,849			
Asparagus.....		211		23,210		84	20	.250
Barley.....	22,513			1,013,085		21,944	39	.036
Beans.....	2,315			254,650		1,936	30	.060
Celery.....	6,837			273,480		8	40	.103
Corn.....	18,429			921,450		16,817	34	.045
Flour.....		2,828		367,640		2,828	82	.020
Hay.....		2,017		46,391		1,613	49	.059
Mill feeds, miscellaneous.....		2,545		101,800		1,738	74	.026
Oats.....		1,871		112,260		525	75	.019
Onions.....		32,369		809,225		27,595	30	.068
Potatoes.....		69,049		2,900,058		58,126	31	.062
Rice.....		1,305		156,600		1,305	25	.100
Wood and paper.....			3,956		128,881			
Lumber.....	3,193			102,176		3,193	66	.029
Do.....		763		26,705		369	25	.133
Nonmetallic minerals.....			61,779		1,596,475			
Bricks.....	10,653			63,918				
Coal oil.....	59			2,596				
Do.....		604		27,180				
Distillate.....	1,281			64,050				
Do.....		2,813		143,463				
Fuel oil.....	31,695			398,188		17,234	70	.018
Do.....		2		26				
Gasoline.....	5,003			400,240				
Do.....		3,710		304,220				
Lubricating oil.....		1,563		187,560				
Rock, crushed.....	4,396			7,034				
Ores, metals, and manufactures of, except machinery and vehicles: Containers, metal.....		136	136	29,240	29,240	57	25	.276
Machinery and vehicles.....			1,452	970,500				
Automobiles.....		553		553,000		553	90	.117
Farm tractors.....		364		182,000		90	32	.189
Farming implements.....		285		85,500		226	38	.218
Machinery, except agricultural.....		250		150,000				
Unclassified.....			70,270		9,812,800			
General merchandise.....		69,020		9,662,800		68,600	90	.085
Other miscellaneous.....		1,250		150,000		589	86	.027
Total.....	56,280	244,114	300,394		19,655,395			

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

COASTWISE—(A) UPSTREAM TO STOCKTON.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
Other vegetable products, except fibers and wood: Tanning extract.....	759	759	\$126,500	\$126,500

Operator of vessel transported this commodity for himself, and the freight cost was absorbed.

LOCAL—(B) DOWNSTREAM FROM STOCKTON.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
Animals and animal products, except wool and hair.....			566		\$309,500		Miles.	
Butter.....		130		\$149,500		122	95	\$0.044
Horses.....		232		58,000		212	35	.117
Meats, fresh.....		204		102,000		91	20	1.250
Vegetable food products.....			108,498		8,425,019			
Barley.....		13,809		621,405		12,675	86	.019
Beans.....		4,241		466,510		337	38	.059
Corn.....		1,181		59,050		846	64	.028
Flour.....		42,389		5,510,570		42,378	84	.019
Hay.....		11,103		255,369		10,799	36	.081
Mill feeds, miscellaneous.....		18,235		729,400		18,195	85	.017
Oats.....		1,629		97,740		1,579	88	.016
Onions.....		3,277		81,925		2,629	35	.069
Potatoes.....		11,775		494,550		10,939	36	.058
Rice.....		348		41,760		345	20	.200
Vegetables, canned.....		143		42,900		143	44	.077
Vegetables, miscellaneous.....		192		11,520		186	19	.236
Wheat.....		176		12,320		34	40	.028
Other vegetable products, except fibers and wood:								
Seeds.....		2,447	2,447	269,170	269,170	2,366	39	.053
Textiles: Bags of jute.....		819	819	307,125	307,125	819	43	.068
Wood and paper.....			3,214		91,881			
Firewood.....	622			5,598		601	30	.059
Lumber.....	1,479			47,328		699	30	.083
Do.....		1,113		38,955		1,050	35	.093
Nonmetallic minerals.....			1,204		46,756			
Coal.....		584		9,928		336	30	.093
Distillate.....		452		23,052		432	31	.181
Gasoline.....		168		13,776		140	30	.198
Machinery and vehicles.....			1,858		906,900			
Automobiles.....		387		387,000		369	90	.117
Farm tractors.....		393		196,500		274	26	.218
Farming implements.....		1,078		323,400		1,020	34	.246
Unclassified.....			12,074		1,633,200			
General merchandise.....		9,216		1,290,240		9,152	81	.041
Other miscellaneous.....		2,858		342,960		852	23	.188
Total.....	2,101	128,579	130,680		11,989,551			

Freight traffic, 1920—Continued.

DOMESTIC.

LOCAL—(C) NOT REACHING NOR LEAVING STOCKTON—UPSTREAM AND DOWNSTREAM.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
Animals and animal products, except wool and hair.			5,492		\$1,031,800		Miles.	
Cattle.		790		\$158,000		788	25	\$0.080
Fish, fresh.		212		63,600				
Hogs.		450		121,500		417	75	.138
Horses.		471		117,750		378	28	.158
Sheep.		3,569		571,040		3,569	29	.116
Vegetable food products.			135,648		5,889,833			
Asparagus.		2,299		252,890		1,232	32	.079
Barley.		35,348		1,590,660		34,426	63	.029
Beans.		305		33,550		278	85	.026
Celery.		4,769		190,760		4,769	35	.082
Corn.		14,022		701,100		13,983	42	.068
Fruits, fresh.		2,397		215,730		2,374	30	.067
Hay.		5,203		119,699		3,651	54	.051
Onions.		20,762		519,050		17,787	66	.034
Potatoes.		49,762		2,090,004		40,879	59	.040
Rice.		106		12,720		21	85	.047
Sugar.		173		38,060		173	60	.050
Vegetables, canned.		398		119,400		398	85	.028
Vegetables, miscellaneous.		104		6,240		104	85	.059
Other vegetable products, except fibers and wood.			682		236,600			
Hemp.		362		108,600		362	75	.040
Rubber goods.		320		128,000		319	85	.025
Textiles: Bags of jute.		382	382	143,250	143,250	360	119	.031
Wood and paper.			6,665		135,254			
Containers, wooden.		251		6,275		236	68	.042
Lumber.	3,402			30,618		3,390	99	.023
Do.	2,353			75,296				
Nonmetalliferous minerals.		659	69,052	23,065	705,599	516	44	.076
Coal oil.		465		20,490				
Do.		459		20,655				
Distillate.		160		8,000				
Do.		921		46,971		17	20	.284
Fuel oil ¹ .	15,527			194,088		9,145	60	.020
Gasoline.	2,089			167,120				
Do.		1,757		144,074		606	35	.040
Lubricating oil.		236		28,320				
Rock, crushed.	47,438			75,901		9,900	110	.008
Ores, metals, and manufactures of, except machinery and vehicles.			732		125,655			
Containers, metal.		397		85,355				
Hardware and tools ² .		115		16,100				
Structural iron and steel.		220		24,200		220	60	.050
Machinery and vehicles.			1,552		751,100			
Farm tractors.		1,063		531,500		852	23	.271
Farming implements.		116		34,800				
Harvesters and reapers.		260		117,000		250	25	.200
Machinery, except agricultural ² .		113		67,800				
Unclassified.			26,127		960,082			
General merchandise.		5,536		775,040		5,527	69	.064
Other miscellaneous ² .		1,526		183,120		996	80	.021
Water.		19,065		1,922				
Total.	90,409	155,833	246,332		9,979,253			

COASTWISE—(C) NOT REACHING NOR LEAVING STOCKTON—UPSTREAM.

Wood and paper: Lumber	14,141		14,141	\$452,512	\$452,512	4,372	314	\$0.017
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¹ Includes 2,196 tons, Government material.² Includes 100 tons, Government material.³ Includes 200 tons, Government material.

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Local.		Coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	6, 570	\$1, 479, 040	.....	.....	6, 570	\$1, 479, 040
Vegetable food products.....	406, 435	21, 294, 701	.....	.....	406, 435	21, 294, 701
Other vegetable products, except fibers and wood.....	3, 129	505, 770	759	\$126, 500	3, 888	632, 270
Textiles.....	1, 201	450, 375	.....	.....	1, 201	450, 375
Wood and paper.....	13, 835	356, 016	14, 141	452, 512	27, 976	808, 528
Nonmetallic minerals.....	132, 035	2, 348, 820	.....	.....	132, 035	2, 348, 820
Ores, metals, and manufactures of, except machinery and vehicles.....	868	154, 895	.....	.....	868	154, 895
Machinery and vehicles.....	4, 882	2, 628, 500	.....	.....	4, 882	2, 628, 500
Unclassified.....	108, 471	12, 406, 082	.....	.....	108, 471	12, 406, 082
Total.....	677, 406	41, 624, 199	14, 900	579, 012	692, 306	42, 203, 211

General ferry and car-ferry traffic, and cargoes in transit.—There was no car-ferry traffic nor cargoes in transit. Seven launch and barge ferries, transporting automobiles, trucks, and passengers, operated on the San Joaquin River and tributaries. In all cases the movement was directly across the waterway, the haul varying from 100 feet to 3,600 feet. It was not practicable to obtain returns from these, except for the Lauritzen Ferry, operating across the river about 7 miles above its mouth and transporting 27,075 passengers and 9,025 automobiles and trucks, total value of the latter being estimated at \$9,025,000, exclusive of commodities carried of unknown amount and value.¹

Vessel classification.

Classes.	Number.	Net tonnage reported.	Passengers.
Registered:			
Steamers.....	21	6, 830	61, 173
Gas.....	113	2, 829	179, 865
Sailing.....	4	210	.....
Unregistered:			
Gas.....	15	57	1, 200
Sailing.....	1	4	.....
Unrigged (tonnage reported).....	22	2, 965	.....
Unrigged (tonnage not reported).....	38	.....	.....
Total.....	214	12, 895	242, 238

In general, the distances carried and freight rates are known for short hauls of small lots only, and the rates per ton-mile are therefore large. Also, a large part of certain commodities was transported in vessels belonging to or hired by owners for which no transportation charges are made, thereby decreasing the quantities on which transportation rates can be figured and tending to increase the rates shown in the tabulated statement. "Water," pumped from the river and transported for industrial use, first reported in the Annual Report of 1919 (pp. 1794 and 3400), was again transported during the calendar year 1920, amounting to 19,065 tons, valued at \$1,922.

There are no ports of call on this river.

¹ Above items are included in vessel classification.

MOKELUMNE RIVER, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1885 ¹	30,500	(²)	960	1905.....	12,000	(²)	(²)
1890 ²	32,110	(²)	4,100	1906.....	25,000	\$1,500,000	(²)
1891 ²	44,241	(²)	3,669	1907.....	14,640	1,000,000	(²)
1892 ²	50,250	(²)	3,543	1908.....	25,284	1,800,000	(²)
1893 ²	42,511	(²)	3,059	1909.....	28,020	2,042,400	(²)
1894 ²	41,799	(²)	3,300	1910.....	44,203	2,931,561	(²)
1895 ²	30,627	(²)	3,820	1911.....	28,987	1,903,277	2,198
1896 ²	38,051	(²)	4,263	1912.....	50,443	2,833,704	923
1897 ²	52,771	(²)	6,081	1913.....	90,585	5,079,932	1,459
1898.....	51,614	(²)	7,771	1914.....	69,783	3,045,870	1,994
1899.....	82,890	(²)	12,387	1915.....	88,624	4,033,698	1,857
1900.....	86,989	(²)	16,313	1916.....	80,871	5,202,847	15,841
1901.....	81,701	(²)	17,157	1917.....	78,954	6,806,410	18,961
1902.....	43,299	(²)	(²)	1918.....	67,949	6,135,575	17,290
1903.....	41,411	(²)	(²)	1919.....	61,901	6,389,698	19,591
1904.....	44,660	(²)	(²)	1920.....	91,498	6,280,596	18,813

¹ For year ending June 30, 1886.² No statistics available.³ For year ending May 31 of following year.⁴ Beginning with this year statistics have been reported for the calendar year.

(Navigation season: Continuous.)

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
UPSTREAM AND DOWN-STREAM.								
Animals and animal products, except wool and hair.....			1,608		\$273,300		Miles.	
Fish, fresh.....		162		\$48,600		156	90	\$0.078
Milk and cream.....		222		28,960		222	60	.002
Sheep.....		1,224		195,840		1,217	40	.067
Vegetable food products.....			69,851		3,747,691			
Asparagus.....		1,181		129,910		1,181	90	.047
Barley.....		13,103		589,635		12,912	60	.030
Beans.....		719		79,090		719	77	.029
Celery.....		5,482		219,280		5,461	36	.068
Corn.....		11,615		580,750		11,599	79	.030
Flour.....		252		32,760		241	90	.028
Fruits, canned.....		324		64,800		324	85	.026
Fruits, fresh.....		136		12,240		135	60	.058
Hay.....		296		6,808		288	37	.074
Mill feeds, miscellaneous.....		256		10,240		252	90	.039
Onions.....		5,066		126,650		5,053	89	.031
Potatoes.....		28,464		1,195,488		28,398	72	.035
Rice.....		353		42,360		318	75	.054
Sugar.....		362		79,640		357	75	.040
Vegetables, canned.....		1,848		554,400		1,848	84	.027
Vegetables, miscellaneous.....		394		23,640		394	87	.056
Other vegetable products, except fibers and wood: Rubber goods.....		649	649	259,600	259,600	649	60	.035
Textiles: Bags of jute.....		570	570	213,750	213,750	533	84	.087
Wood and paper.....			2,390		56,768			
Containers, wooden.....		1,089		27,225		1,089	87	.084
Firewood.....	582			5,238		207	100	.017
Lumber.....		612		21,420		566	86	.084
Shooks.....		107		5,885		107	75	.027

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
Nonmetallic minerals.....			4,323		\$40,957		<i>Miles.</i>	
Fuel oil.....	3,123			\$39,037		3,123	60	\$0.021
Rock, crushed.....	1,200			1,920		1,200	125	.007
Ores, metals, and manufactures of, except machinery and vehicles:								
Structural iron, steel.....		501	501	55,110	55,110	498	75	.040
Unclassified.....			11,606		1,610,420			
General merchandise.....		10,885		1,523,900		10,858	88	.050
Other miscellaneous.....		721		86,520		507	56	.092
Total.....	4,905	86,563	91,498		6,260,596			

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	1,608	\$273,300
Vegetable food products.....	69,851	3,747,691
Other vegetable products, except fibers and wood.....	649	259,600
Textiles.....	570	213,760
Wood and paper.....	2,390	59,768
Nonmetallic minerals.....	4,323	40,957
Ores, metals, and manufactures of, except machinery and vehicles.....	501	55,110
Unclassified.....	11,606	1,610,420
Total.....	91,498	6,260,596

Vessel classification.

Classes.	Number.	Net tonnage reported.	Passengers.
Registered:			
Steamers.....	5	2,425	1,221
Gas.....	36	665	17,582
Sailing.....	2	113	
Unregistered:			
Gas.....	11	42	10
Sailing.....	1	4	
Unrigged (tonnage reported).....	7	687	
Unrigged (tonnage not reported).....	21		
Total.....	83	3,936	18,813

In general, the distances carried and freight rates are known for short hauls of small lots only, and the rates per ton-mile are therefore large.

There are no ports of call for this river.

SACRAMENTO RIVER, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1878 ¹	200,925	(2)	(2)	1900.....	465,725	(2)	12,340
1879 ¹	(2)	(2)	(2)	1901.....	457,083	(2)	8,673
1880 ¹	279,659	(2)	(2)	1902.....	404,900	(2)	(2)
1881 ¹	156,750	(2)	(2)	1903.....	383,724	(2)	(2)
1882 ¹	(2)	(2)	(2)	1904.....	353,164	(2)	(2)
1883 ¹	(2)	(2)	(2)	1905.....	365,957	(2)	(2)
1884 ¹	240,485	(2)	(2)	1906.....	375,000	(2)	(2)
1885 ¹	283,484	(2)	(2)	1907.....	400,000	(2)	(2)
1886 ¹	385,995	(2)	(2)	1908.....	425,000	(2)	150,000
1887 ¹	310,300	(2)	(2)	1909.....	425,000	\$29,750,000	150,000
1888 ¹	(2)	(2)	(2)	1910.....	496,147	29,522,151	184,408
1889 ¹	412,185	(2)	(2)	1911.....	505,285	32,139,048	185,398
1890 ¹	349,890	(2)	15,650	1912.....	477,292	27,755,325	202,015
1891 ¹	596,515	(2)	14,455	1913.....	733,594	35,856,791	212,114
1892 ¹	483,773	(2)	14,102	1914.....	721,090	38,211,760	175,485
1893 ¹	376,810	(2)	(2)	1915.....	766,935	38,027,703	191,418
1894 ¹	445,352	(2)	(2)	1916.....	875,780	46,908,093	115,666
1895 ¹	370,519	(2)	12,108	1917.....	947,690	96,820,992	57,797
1896 ¹	430,260	(2)	11,608	1918.....	1,053,510	113,991,123	112,206
1897 ¹	398,988	(2)	10,860	1919 ¹	1,666,025	78,601,238	91,540
1898 ¹	225,882	(2)	11,523	1920 ¹	1,377,700	53,946,146	104,923
1899.....	489,236	(2)	12,371				

¹ For the calendar year.² No statistics available.³ For fiscal year ending June 30 of the year shown.⁴ For fiscal year ending May 31 of following year.⁵ Beginning with this year statistics have been reported continuously for the calendar year.⁶ One of the largest transportation companies did not report for this year.⁷ Includes 712,500 tons of water, valued at \$27,075.⁸ Includes 599,883 tons of water, valued at \$60,468, and 13,682 tons of Government materials used in improvement of the river, and valued at \$606,191.

Navigation season: Continuous from mouth to Sacramento. Discontinued from July to September, inclusive, above Sacramento, except for occasional trips by small gas boats.]

Freight traffic, 1920.

DOMESTIC.

LOCAL—(A) UPSTREAM TO SACRAMENTO.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
Animals and animal products, except wool and hair: Eggs.....		181	181	\$108,600	\$108,600	181	Miles. 110	\$0.052
Vegetable food products.....			47,437		5,329,801			
Asparagus.....		1,020		112,200		1,020	38	.052
Barley.....		2,561		115,245		68	87	.038
Beans.....		1,372		150,920		582	74	.032
Corn.....		478		23,900		478	52	.021
Flour.....		708		92,040		708	110	.018
Fruits, canned.....		623		124,600		623	79	.081
Fruits, fresh.....		10,331		929,790		10,331	46	.089
Hay.....		658		15,134		508	78	.029
Mill feeds, miscellaneous.....		270		10,800		258	110	.022
Onions.....		4,281		107,025		4,167	85	.025
Potatoes.....		9,826		412,692		8,743	84	.026
Rice.....		385		29,645		385	110	.019
Sugar.....		7,355		1,618,100		7,355	110	.023
Vegetables, canned.....		4,673		1,401,900		4,673	72	.034
Vegetables, miscellaneous.....		1,691		101,460		1,534	109	.032
Wheat.....		1,205		84,350				

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

LOCAL—(A) UPSTREAM TO SACRAMENTO—continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
Other vegetable products, except fibers and wood.			368		\$238,060		Miles.	
Hops		222		\$222,000		222	110	\$0.083
Seeds		146		16,060		146	48	.085
Textiles: Bags of jute		743	743	278,625		743	110	.023
Wood and paper.			405		13,105			
Containers, wooden		107		2,675		104	110	.018
Lumber		298		10,430		177	110	.034
Nonmetallic minerals			89,469		1,942,945			
Coal oil		1,104		49,680				
Distillate	392			19,600				
Do		1,049		53,499				
Fuel oil	76,291			953,638		68,052	86	.014
Gasoline	4,931			394,480				
Do		5,584		457,888				
Lubricating oil		118		14,160				
Ores, metals and manufactures of, except machinery and vehicles.			1,135		150,995			
Containers, metal		249		53,535		200	105	.063
Structural iron and steel		886		97,460		886	110	.034
Machinery and vehicles			2,981		2,890,700			
Automobiles		2,752		2,752,000		2,749	110	.061
Farming implements		229		68,700		199	110	.036
Unclassified			73,495		10,243,620			
General merchandise		71,211		9,969,540		71,210	108	.040
Other miscellaneous		2,284		274,080		1,657	109	.031
Total	81,614	134,600	216,214		21,126,451			

LOCAL—(B) DOWNSTREAM FROM SACRAMENTO.

Animals and animal products, except wool and hair.			7,372		\$1,364,020			
Butter		162		\$186,300		162	110	\$0.064
Hides		134		45,560		134	110	.034
Sheep		7,076		1,132,160		7,068	109	.063
Vegetable food products.			85,632		7,020,379			
Asparagus		1,591		175,010		19	110	.038
Barley		24,322		1,094,490		24,044	68	.030
Beans		8,737		961,070		8,373	102	.021
Flour		1,458		189,540		1,458	110	.017
Fruits, canned		2,139		427,800		2,139	110	.023
Fruits, dried		115		28,750		115	110	.027
Fruits, fresh		1,113		100,170		413	99	.045
Hay		5,629		129,467		5,487	79	.032
Mill feeds, miscellaneous		161		6,440		151	110	.011
Onions		529		13,225		529	103	.025
Potatoes		2,070		86,940		2,070	83	.028
Rice		20,601		1,586,277		19,901	110	.017
Sugar		200		44,000		50	110	.023
Vegetables, canned		4,401		1,320,300		4,401	110	.022
Vegetables, miscellaneous		2,272		136,320		2,272	110	.032
Wheat		10,294		720,580		997	110	.016
Other vegetable products, except fibers and wood: Hops		565	565	565,000	565,000	565	110	.033
Wood and paper.			7,093		311,975			
Containers, wooden		742		18,550		742	107	.020
Firewood	1,100			9,900				
Lumber		264		9,210		217	36	.077
Shooks		4,987		274,285		4,733	41	.071

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

LOCAL—(B) DOWNSTREAM FROM SACRAMENTO—continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
Nonmetallic minerals.....			56,545		\$84,870		Miles.	
Bricks.....	1,814			\$10,884		1,764	106	\$0.006
Cement, Portland.....		1,635		29,430		1,635	41	.057
Coal.....		751		12,767		746	56	.020
Fuel oil.....	205			2,563		205	30	.052
Rock, crushed.....	6,975			11,160		6,875	57	.007
Sand.....	45,165			18,066				
Machinery and vehicles.....			3,400		1,718,930			
Automobiles.....		1,212		1,212,000		1,202	110	.058
Farm tractors.....		118		59,000				
Farming implements.....		104		31,200		29	110	.036
Harvesters and reapers.....		320		144,000				
Machinery, except agricultural.....		125		75,000		125	110	.103
Wagons, drays, and trucks.....		1,521		197,730		1,500	50	.060
Unclassified.....			15,680		2,170,940			
General merchandise.....		14,467		2,025,380		14,467	92	.060
Other miscellaneous.....		1,213		145,560		281	78	.053
Total.....	55,259	121,028	176,287		13,236,114			

LOCAL—(C) UPSTREAM FROM SACRAMENTO.

Wood and paper.....			515		\$15,545			
Lumber.....		267		\$9,345		267	154	\$0.037
Piling ¹	248			6,200				
Nonmetallic minerals.....			6,430		70,201			
Cement, Portland.....		198		3,528		198	154	.012
Fuel oil.....	5,202			65,025		5,202	40	.046
Rock, crushed ¹	1,030			1,648				
Unclassified.....			1,059		145,320			
General merchandise.....		912		127,680		912	154	.036
Other miscellaneous.....		147		17,640				
Total.....	6,480	1,524	8,004		231,066			

LOCAL—(D) DOWNSTREAM TO SACRAMENTO.

Vegetable food products.....			31,245		\$1,638,585			
Barley.....		25,559		\$1,150,155		24,649	92	\$0.027
Beans.....		2,095		230,450		2,033	92	.034
Corn.....		107		5,350		107	92	.027
Rice.....		1,250		96,250		1,250	92	.035
Wheat.....		2,234		156,380		2,234	92	.027
Other vegetable products, except fibers and wood: Seeds.....		331	331	36,410	36,410	331	92	.034
Wood and paper: Firewood.....	150		150	1,350	1,350			
Unclassified.....			363		50,140			
General merchandise.....		329		46,080		329	92	.064
Other miscellaneous.....		34		4,080				
Total.....	150	31,939	32,069		1,726,485			

¹ Government material, used mostly at or close to Sacramento in maintenance work on this river.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

LOCAL—(E) BETWEEN POINTS ABOVE SACRAMENTO, UPSTREAM AND DOWNSTREAM.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
Animals and animal products, except wool and hair: Sheep.		108	108	\$17,280	\$17,280		Miles.	
Vegetable food products: Hay.		230	230	5,290	5,290	230	20	\$0.145
Unclassified: General merchandise.		149	316	20,860	40,900	149	40	.050
Other miscellaneous.		167		20,040		15	25	.120
Total.		654	654		63,470			

LOCAL—(F) BETWEEN POINTS BELOW SACRAMENTO, UPSTREAM AND DOWNSTREAM.

Animals and animal products, except wool and hair.			823	\$238,950				
Fish, fresh.		664		\$199,200		153	92	\$0.074
Horses.		159		39,750		64	77	.052
Vegetable food products.			116,785	8,929,903				
Asparagus.		13,146		1,446,060		11,704	56	.040
Barley.		27,415		1,233,675		23,816	69	.027
Beans.		2,771		304,810		2,642	46	.026
Celery.		8,729		349,160		7,341	30	.117
Corn.		988		49,400		934	82	.023
Flour.		122		15,860		122	92	.024
Fruits, canned.		1,197		239,400		1,197	80	.026
Fruits, fresh.		17,836		1,605,240		17,692	67	.062
Hay.		18,035		414,805		9,750	85	.034
Onions.		2,364		59,100		1,837	67	.041
Potatoes.		12,064		506,688		10,810	62	.034
Rice.		735		56,595		730	91	.025
Sugar.		284		62,480		284	92	.041
Sugar beets.		900		11,250		900	50	.060
Vegetables, canned.		8,181		2,454,300		8,106	78	.021
Vegetables, miscellaneous.		2,018		121,080		2,018	89	.047
Other vegetable products, except fibers and wood.			253	57,990				
Rubber goods.		104		41,600		104	80	.081
Seeds.		149		16,390		138	66	.068
Textiles: Bags of jute.		516	516	193,500	193,500	506	72	.036
Wood and paper.			6,148	199,246				
Containers, wooden.		1,958		48,950		1,930	88	.035
Firewood.		162		1,458		142	25	.071
Lumber.	1,574			50,368		955	59	.037
Do.		1,528		53,480		1,528	81	.044
Piling.	198			4,950		198	35	.038
Shooks.		728		40,040		728	77	.040
Nonmetallic minerals.			141,748	889,121				
Asphalt and bitumen.	200			3,000		200	60	.058
Cement, Portland.		544		9,792		544	56	.045
Coal oil.	1,007			44,308				
Do.		236		10,620				
Distillate.	323			16,150				
Do.		2,466		125,766		660	50	.030
Fuel oil ¹ .	10,141			126,763		3,352	50	.036
Fuel oil.		119		1,547				
Gasoline.	3,327			266,160				
Do.		1,403		115,046		463	35	.063
Lubricating oil.		565		67,800				
Rock, crushed.	44,669			71,470		14,443	62	.018
Sand.	76,748			30,699		6,632	60	.011
Ores, metals, and manufactures of, except machinery and vehicles.			1,306	259,085				
Containers, metal.		1,067		229,405		326	76	.067
Hardware and tools ² .		113		15,820				
Structural iron and steel.			126	13,860		126	92	.046

¹ Includes 6,799 tons. Government material, used in flood-control work.² Includes 106 tons. Government material, used in flood-control work.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

LOCAL—(F) BETWEEN POINTS BELOW SACRAMENTO, UPSTREAM AND DOWNSTREAM—CON.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
Machinery and vehicles.....			918		\$474,800		Miles.	
Farm tractors.....		379		\$189,500		347	19	\$0.179
Farming implements.....		127		38,100		127	48	.054
Machinery, except agricultural *.....		412		247,200				
Unclassified.....			620,161		2,864,628			
General merchandise.....		18,540		2,595,600		18,387	81	.060
Other miscellaneous *.....		1,738		208,560		88	39	.076
Water.....	599,883			60,468				
Total.....	738,232	150,426	888,658		14,107,223			

* Includes 100 tons, Government material, used in flood-control work.

* Includes 200 tons, Government material, used in flood-control work.

COASTWISE—(F) BETWEEN POINTS BELOW SACRAMENTO, UPSTREAM AND DOWNSTREAM.

Wood and paper: Lumber.....	691		691	\$22,112	\$22,112	691	290	\$0.018
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LOCAL—(G) BETWEEN POINTS ABOVE AND POINTS BELOW SACRAMENTO, UPSTREAM AND DOWNSTREAM.

Vegetable food products.....			45,704	\$2,872,381				
Barley.....		17,139		\$771,255		17,139	208	\$0.017
Beans.....		1,894		208,340		1,894	190	.020
Corn.....		1,357		67,850		1,357	217	.018
Hay.....		502		11,546		502	158	.022
Onions.....		836		20,900				
Potatoes.....		118		4,956				
Rice.....		16,782		1,282,214		16,782	217	.015
Wheat.....		7,076		495,320		7,076	209	.017
Textiles: Bags of jute.....		361	361	135,375	135,375	361	217	.020
Wood and paper.....			6,077	65,135				
Firewood.....	5,623			50,607		5,273	88	.029
Lumber.....	454			14,528		454	217	.024
Nonmetallic minerals.....		413	413	7,434	7,434	413	190	.015
Cement, Portland.....								
Unclassified.....			2,548	352,900				
General merchandise.....		2,357		329,980		2,357	217	.023
Other miscellaneous.....		191		22,920		105	217	.067
Total.....	6,077	49,026	55,103		3,433,225			

SUMMARY.

Classes of commodities.	Local.		Coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	8,484	\$1,728,850			8,484	\$1,728,850
Vegetable food products.....	327,033	25,796,339			327,033	25,796,339
Other vegetable products, except fibers and wood.....	1,517	897,460			1,517	897,460
Textiles.....	1,620	607,500			1,620	607,500
Wood and paper.....	20,388	606,356	691	\$22,112	21,079	628,468
Nonmetallic minerals.....	294,605	2,994,571			294,605	2,994,571
Ores, metals, and manufactures of, except machinery and vehicles.....	2,441	410,080			2,441	410,080
Machinery and vehicles.....	7,299	5,014,430			7,299	5,014,430
Unclassified.....	713,622	15,868,448			713,622	15,868,448
Total.....	1,377,009	53,924,034	691	22,112	1,377,700	53,946,146

General ferry and car-ferry traffic, and cargoes in transit.—There was no car-ferry traffic nor cargoes in transit. About 12 launch and barge ferries, transporting automobiles, trucks, and passengers, operated on the river and interconnecting sloughs below Sacramento and about 5 similar ferries operated above Sacramento. It was not practicable to ascertain the amount and value of this traffic. In all cases the movement was across the waterway, the haul varying from 150 feet to 650 feet.

Vessel classification.

Classes.	Number.	Net tonnage reported.	Passengers.
Registered:			
Steamers.....	32	12,866	92,474
Gas.....	112	2,826	12,349
Sailing.....	5	284	.....
Unregistered:			
Gas.....	28	223	100
Unrigged (tonnage reported).....	22	2,611	.....
Unrigged (tonnage not reported).....	66	.....	.....
Total.....	265	18,810	104,923

In general, the distances carried and freight rates are known for short hauls of small lots only and the rates per ton-mile are therefore large. Also, a large part of certain commodities was transported in vessels belonging to or hired by owners of the commodities for which no transportation charges are made, thereby decreasing the quantities on which transportation rates can be figured and tending to increase the rates shown in the tabulated statement. "Water," pumped from the river and transported for industrial use (first reported in the Annual Report of 1919, pp. 1794 and 3400), caused an increase in the total normal tonnage of 599,883 tons, valued at \$60,468, with corresponding increases in section F in the tabulation of freight traffic above. On the other hand, the upper-river sections show heavy losses from the cessation of practically all navigation above Sacramento during the months of July to September, inclusive, due to the river reaching the lowest stages ever recorded. The falling prices of commodities also tended to decrease shipments of food products on all sections of the river, as well as materially reducing the value of nearly all commodities transported.

Above Sacramento 95,850 tons of freight were carried, valued at \$5,454,246, and below Sacramento 1,336,953 tons were carried, valued at \$51,925,125, including "water" above noted; 55,103 tons, valued at \$3,433,225, appears in both sections. Of the total freight carried downstream to Sacramento, about 75 per cent was grain, later reshipped from Sacramento by rail to eastern points and a large percentage of foodstuffs and feed, delivered at points on San Francisco Bay, was later similarly reshipped.

Through the Sacramento County-Solano County bascule bridge at Rio Vista, during the calendar year 1920, passed 2,734 steamboats, 6,340 gas boats, 2,472 barges, 382 schooners, 25 dredges, 22 pile drivers, and 76 yachts. Through the San Francisco-Sacramento Railway drawbridge at M Street, Sacramento, passed 2,494 steamboats, 620 gas boats, 1,043 barges, 8 schooners, 15 dredges, 19 pile drivers, 4 yachts, and 3 house barges. Through the Southern Pacific Railway drawbridge at H Street, Sacramento, passed 701 steamboats, 320 gas boats, 708 barges, 10 schooners, 22 dredges, 17 pile drivers, and 1 house barge. Through the Southern Pacific Railway drawbridge at Knights Landing passed 412 steamboats, 42 gas boats, 306 barges, 7 dredges, 5 pile drivers, and 1 house barge. Through the San Francisco-Sacramento Railway drawbridge at Meridian passed 229 steamboats, 3 gas boats, 159 barges, 1 dredge, and 1 pile driver. Through the Colusa County highway drawbridge at Colusa passed 252 steamboats, 5 gas boats, 174 barges, 1 dredge, 1 pile driver, and 2 house boats. In the above statements only those passages requiring opening of the bridges are enumerated.

There are no ports of call on this river.

FEATHER RIVER, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1885 ¹	23,400	(²)	1899	4,420	(²)
1886 ¹	20,483	(²)	1900	4,411	(²)
1887 ¹	14,154	(²)	1901	4,118	(²)
1888 ¹	(²)	(²)	1904	1,665	(²)
1889 ¹	27,121	(²)	1905	5,306	(²)
1890 ³	13,655	(²)	1906	5,000	(²)
1891 ⁴	12,484	(²)	1912	2,729	\$159,046
1892 ⁴	16,941	(²)	1913	3,332	207,368
1893 ⁴	17,430	(²)	1915	2,906	(²)
1894 ⁴	18,796	(²)	1916	392	(²)
1895 ⁴	25,705	(²)	1917	135	13,595
1896 ⁴	5,866	(²)	1918	287	25,210
1897 ⁴	8,119	(²)	1919	2,621	22,280
1897 ⁵	4,313	(²)	1920	567	27,145
1898	2,898	(²)			

¹ For fiscal year ending June 30 of the year shown.² No statistics available.³ For 11 months ending May 31 of the year shown.⁴ For fiscal year ending May 31 of the year shown.⁵ Beginning with this year statistics have been reported for the calendar year.

No passenger traffic has ever been reported for this stream.

[Navigation season: February to April, inclusive.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
LOCAL, UPSTREAM AND DOWNSTREAM.					
Vegetable food products.....			27		\$2,645
Barley.....		5		\$225	
Beans.....		22		2,420	
Wood and paper: Firewood.....	500		500	4,500	4,500
Machinery and vehicles: Farm tractors.....		40	40	20,000	20,000
Total.....	500	67	567		27,145

REMARKS.—“Rates per ton-mile” and related data are omitted, since the freight rates were for short hauls of small lots or were included in the cost of the commodities and were not charged separately.

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products.....	27	\$2,645
Wood and paper.....	500	4,500
Machinery and vehicles.....	40	20,000
Total.....	567	27,145

Vessel classification, 1920.

Classes.	Number.	Net tonnage reported.
Registered, gas.....	3	33
Unregistered:		
Unrigged (tonnage reported).....	1	20
Unrigged (tonnage not reported).....	2	
Total.....	6	53

PORTLAND, OREG., FIRST DISTRICT.

COQUILLE RIVER, OREG.

Comparative statement of traffic.¹

RIVER.

Year.	Tons.	Value.	Passengers.	Floated logs.	Value.
1915.....	11,253	\$946,474	20,560	42,958	\$128,874
1916.....	6,810	538,064	39,041	130,178	520,712
1917.....	22,690	811,888	42,981	137,350	824,830
1918.....	42,210	1,849,428	50,364	126,362	1,022,720
1919.....	51,026	2,621,516	44,567	107,650	1,072,824
1920.....	11,626	2,490,787	34,477	1,550	21,494

BAR ONLY.

1895.....	16,256	(²)	(²)		
1896.....	21,106	(²)	(²)		
1897.....	25,620	(²)	(²)		
1898.....	24,556	(²)	(²)		
1899.....	27,998	(²)	(²)		
1900.....	30,727	(²)	(²)		
1901.....	32,975	(²)	502		
1902.....	37,458	(²)	396		
1903.....	48,249	(²)	535		
1904.....	60,944	\$1,332,058	744		
1905.....	45,455	1,105,750	407		
1906.....	67,288	1,119,716	203		
1907.....	60,504	1,367,634	329		
1908.....	68,426	1,375,938	716		
1909.....	85,127	2,110,898	1,121		
1910.....	92,318	2,779,556	1,990		
1911.....	130,781	2,724,269	3,066		
1912.....	193,496	3,054,556	3,296		
1913.....	196,817	3,285,554	4,262		
1914.....	123,197	2,472,955	2,539		
1915.....	90,705	2,254,422	2,281		
1916.....	104,264	2,245,809	1,156		
1917.....	102,163	1,825,198	749		
1918.....	76,277	1,704,290	707		
1919.....	70,654	2,261,557	392		
1920.....	86,928	5,788,065	224		

¹ Prior to 1915 commercial statistics were reported for the bar only, and no part of the local river traffic above Bandon (1 mile from the entrance) were included in the reports. Since 1914 statistics were collected for both the bar and the river above Bandon. The comparative statements inclosed show the statistics for the bar from 1895 to date and for the river from 1914 to date separately. The commercial statistics for the river above Bandon prior to 1915 can not be obtained.

² No statistics available.

1270 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

[Navigation season: Jan. 1 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals: Refined petroleum products.		78.00	78.00	\$6,494.00	\$6,494.00	Miles. 420	\$0.119
Unclassified: General merchandise ¹ .		5,235.70	5,235.70	1,264,660.60	1,264,660.60	390	.103
Total.....		5,313.70	5,313.70		1,271,154.60		
SHIPMENTS, COASTWISE.							
Animals and animal products, except wool and hair.....			1,644.65		699,076.25	390	.103
Evaporated milk.....		1,263.50		536,987.50			
Butter.....		208.25		88,506.25			
Cheese.....		172.90		73,682.50			
Vegetable food products.....			15.50		1,550.00	390	.103
Cranberries.....		15.50		1,550.00			
Wood and paper.....			66,626.70		1,277,946.00	390	.103
Logs, cedar.....		216.00		2,376.00			
Poles.....		348.10		3,829.00			
Railroad ties.....		473.30		8,519.00			
Lumber, fir, spruce, cedar.....	63,404.00			1,141,252.00			
Lumber, cedar bolts.....		1,067.30		32,019.00			
Lumber, matchwood.....		428.50		12,855.00			
Veneers and ply wood.....		619.50		74,340.00			
Lath.....		29.00		870.00			
Shingles.....		41.00		1,886.00			
Unclassified: General merchandise ¹ .		151.50	151.50	36,057.00	36,057.00	390	.103
Total.....	64,441.40	3,996.95	68,438.35		2,014,629.25		
Total receipts and shipments, coastwise.....	64,441.40	9,310.65	73,752.05		3,285,783.85		
UPBOUND, LOCAL.							
Wood and paper.....			960.50		15,069.00	25	.1
Lumber, sawed.....		8.50		153.00			
Logs and timbers ²		952.00		14,916.00			
Nonmetallic minerals.....			1,084.50		102,306.75	25	.196
Coal.....		21.75		14,098.50			
Refined petroleum products.....		1,062.75		88,208.25			
Machinery and vehicles: Machinery ¹		101.50	101.50	32,987.50	32,987.50	25	.1
Unclassified: General merchandise ¹		6,308.00	6,308.00	1,501,304.00	1,501,304.00	25	.1
Total.....	960.50	7,494.00	8,454.50		1,651,667.25		
DOWNBOUND, LOCAL.							
Animals and animal products.....			1,915.75		741,168.00	25	.1
Cattle.....		106.50		18,318.00			
Eggs.....		8.50		3,612.50			
Milk and cream.....		841.25		357,531.25			
Butter.....		447.00		189,975.00			
Cheese.....		386.25		164,156.25			
Fish.....		126.25		7,575.00			
Vegetable food products.....			1,357.25		85,727.50	25	.1
Grains.....		792.50		53,890.00			
Hay.....		328.50		8,212.50			
Vegetables, fresh.....		54.00		5,400.00			
Fruits, fresh.....		182.25		18,225.00			

¹ Unable to classify.

² Logs towed up river, 260 tons, \$2,860; timbers towed up river, 692 tons, \$12,066.

Freight traffic, 1920—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Pack- age.		By com- modities.	By classes.		
DOWNBOUND, LOCAL—con.							
Other vegetable products:						<i>Miles.</i>	
Chittim bark.....		9.00	9.00	\$1,350.00	\$1,350.00	25	\$0.1
Wood and paper.....			1,439.75		22,368.50	25	.1
Lumber, sawed.....	788.50			14,193.00			
Lumber, matchwood.....		53.25		1,597.50			
Logs ¹	598.00			6,578.00			
Total.....	1,386.50	3,335.25	4,721.75		850,614.00		

¹ Logs towed down river, 598 tons, \$6,578.

Passengers: Coastwise—In, 39; out, 185. Local—Upbound, 16,241; downbound, 18,236.

SUMMARY.

Classes of commodities.	Coastwise.		River.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	1,644.65	\$699,076.25	1,915.75	\$741,168.00	3,560.40	\$1,440,244.25
Vegetable food products, oil seeds, expressed oils, and beverages.....	15.50	1,550.00	1,357.25	85,727.50	1,372.75	87,277.50
Other vegetable products, except fibers and wood.....			9.00	1,350.00	9.00	1,350.00
Wood and paper.....	66,626.70	1,277,946.00	2,400.25	37,437.50	69,026.95	1,315,383.50
Nonmetallic minerals.....	78.00	6,494.00	1,084.50	102,306.75	1,162.50	108,800.75
Machinery and vehicles.....			101.50	32,987.50	101.50	32,987.50
Unclassified.....	5,387.20	1,300,717.60	6,308.00	1,501,304.00	11,695.20	2,802,021.60
Total.....	73,752.05	3,285,783.85	13,176.25	2,502,281.25	86,928.30	5,788,065.10

Vessel classification, 1920.

Class.	Arrived.		Departed.	
	Number.	Tons.	Number.	Tons.
American coastwise steamers.....	109	48,604	108	48,271
Passengers.....	39		185	

Class, enrolled and licensed.	American coastwise.	Net tonnage.	Passengers.
Local:			
Steamers.....	2	131	
Gasoline.....	2	29	34,477
Total.....	4	160	34,477

COOS BAY, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895 ¹	126,764	(²)	(²)	1908.....	216,631	\$7,077,140	16,335
1896.....	144,834	(²)	4,209	1909.....	281,008	7,968,610	15,453
1897.....	115,679	(²)	3,343	1910.....	242,969	7,377,088	12,303
1898.....	103,039	(²)	2,876	1911.....	303,008	7,079,617	11,875
1899.....	116,567	(²)	2,978	1912.....	406,727	8,519,550	13,799
1900.....	104,294	(²)	3,538	1913.....	473,376	8,462,577	13,706
1901.....	97,500	(²)	3,216	1914.....	520,409	10,508,766	21,994
1902.....	122,232	(²)	3,226	1915.....	448,447	7,507,564	13,088
1903.....	135,178	(²)	5,003	1916.....	466,100	6,201,013	4,115
1904.....	136,958	\$3,557,984	5,437	1917.....	446,062	7,121,086	5,641
1905.....	178,945	3,901,806	9,596	1918.....	323,369	5,889,783	5,585
1906.....	184,455	5,900,117	9,032	1919.....	282,591	7,910,779	2,282
1907.....	167,562	6,479,022	13,908	1920.....	378,587	10,823,340	1,826

¹ Freight in transit, 1,780.² No statistics available.³ Decrease due to completion of railroad to Coos Bay.

[Navigation season: Jan. 1 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair.			176		\$45,760.00	Miles. 376	\$0.0067
Fish.		176		\$45,760.00		19	.421
Vegetable food products, oil seeds, expressed oil and beverages.			248		11,676.00	335	.0174
Grain.		82		5,576.00			
Hay.		140		3,500.00			
Vegetables.		16		1,600.00			
Fruit.		10		1,000.00			
Nonmetallic minerals.			6,421		179,843.00	335	.0165
Fuel oil.	5,136			73,188.00			
Refined petroleum products.		1,285		106,655.00			
Machinery and vehicles:							
Machinery.		140	140	45,500.00	45,500.00	335	.0266
Unclassified: General merchandise.		14,423	14,423	3,432,674.00	3,432,674.00	335	.0198
Total.	5,136	16,266	21,408		3,715,453.00		
SHIPMENTS, COASTWISE.							
Wood and paper.			354,479		6,465,287.00	600	.0077
Poles.	61			671.00			
Lumber, sawed.	345,913			6,226,434.00			
Lath.	7,288			182,200.00			
Shingles.	1,217			55,982.00			
Unclassified: General merchandise.		2,700	2,700	642,600.00	642,600.00	335	.0198
Total.	354,479	2,700	357,179		7,107,887.00		
Total receipts and shipments.	359,615	18,966	378,587		10,823,340.00		

Passengers, coastwise: In, 943; out, 885.

Freight traffic—Continued.

SUMMARY.

Class of commodities.	Coastwise.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	176	\$45,760
Vegetable food products, oil seeds, expressed oil, and beverages.....	248	11,676
Wood and paper.....	354,479	6,465,287
Nonmetallic minerals.....	6,421	179,843
Machinery and vehicles.....	140	45,500
Unclassified.....	17,123	4,075,274
Total.....	378,587	10,823,340

Vessel classification, 1920.

Class.	Arriving.		Departing.	
	Number.	Tons.	Number.	Tons.
Coastwise, American:				
Steamers.....	249	288,678	245	279,421
Gasoline.....	24	801	25	1,273
Sail.....			3	1,860
Total.....	273	289,479	273	282,554
Passengers.....	943		885	

COOS RIVER, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated logs.	Value.	Stone for Government jetty construction.
1896.....	2,434	(1)	¹ 4,500	8,800	(1)	7,449
1897.....	6,334	(1)	² 5,000	10,200	(1)	
1898.....	7,260	(1)	² 12,000	15,314	(1)	
1899.....	6,505	(1)	² 15,000	41,650	(1)	21,852
1900.....	19,554	(1)	² 9,850	39,271	(1)	170,400
1901.....	25,949	(1)	13,495	19,500	(1)	16,953
1902.....	² 23,000	(1)	(1)	² 23,000	(1)	
1903.....	5,436	(1)	23,899	22,673	(1)	
1904.....	8,006	\$908,055	19,388	41,901	\$125,703	
1905.....	7,716	1,069,928	19,974	36,682	110,046	
1906.....	9,106	1,167,391	24,324	26,431	79,293	
1907.....	12,074	1,523,951	37,693	29,999	89,997	
1908.....	20,350	1,630,120	43,251	16,347	49,041	
1909.....	16,151	1,896,498	36,437	29,757	95,351	
1910.....	21,269	1,471,696	29,714	18,881	56,647	
1911.....	11,908	1,837,650	36,566	56,526	102,402	
1912.....	9,706	1,702,299	34,888	72,658	181,645	
1913.....	11,304	1,907,830	32,561	55,955	167,865	
1914.....	13,619	2,012,205	32,332	89,465	268,395	
1915.....	15,088	2,282,701	32,491	74,033	222,872	
1916.....	16,890	1,692,361	35,166	100,151	400,604	
1917.....	² 35,812	2,613,802	30,657	61,235	366,336	
1918.....	10,490	1,767,637	20,946	12,924	96,867	
1919.....	9,534	2,291,201	29,207	923	9,230	
1920.....	9,928	2,461,166	25,462	6,149	67,179	

¹ No statistics available.² Approximate.³ Includes 19,105 tons of rock used for jetty construction.

[Navigation season: Jan. 1 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.							
Animals and animal products, except wool and hair: Animals.....		294	294	\$69, 678	\$69, 678	<i>Miles.</i> 20	\$0. 40
Vegetable food products, oil seeds, expressed oils, and beverages.....			897		49, 762	15	. 15
Grains.....		634		43, 112			
Hay.....		262		6, 550			
Vegetables.....		1		100			
Wood and paper.....			1, 070		18, 299	15	. 167
Cordwood.....	72			335			
Lumber, sawed.....	998			17, 964			
Nonmetallic minerals: Coal.....		57	57	741	741	14	. 15
Machinery and vehicles: Machinery.....		907	907	294, 775	294, 775	15	. 02
Unclassified: General merchandise.....		899	899	213, 962	213, 962	15	. 167
Total.....	1, 070	3, 054	4, 124		647, 217		
DOWNBOUND.							
Animals and animal products, except wool and hair.....			3, 127		1, 233, 605	20	. 40
Animals.....	495			\$117, 810			
Eggs.....		9		3, 825			
Dairy products.....		2, 606		1, 107, 550			
Fish.....		17		4, 420			
Vegetable food products, oil seeds, expressed oils, and beverages.....			904		90, 400	15	. 15
Vegetables.....		591		59, 100			
Fruits.....		313		31, 300			
Other vegetable products, except fibers and wood: Chittim bark.....		64	64	9, 600	9, 600	15	. 167
Machinery and vehicles: Machinery.....		846	846	274, 950	274, 950	15	. 02
Unclassified: General merchandise.....		863	863	205, 394	205, 394	15	. 167
Total.....	495	5, 309	5, 804		1, 813, 949		

Poles towed up river, 100 tons, \$640; logs and poles, towed down river, 6,049 short tons, \$66,539.
 Passengers, upbound, 12,927; down bound, 12,535.

SUMMARY.

Classes of commodities.	Domestic.			
	Local.		Floating logs, etc.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	3, 421	\$1, 303, 283		
Vegetable food products, oil seeds, expressed oils and beverages.....	1, 801	140, 162		
Other vegetable products, except fibers and wood.....	64	9, 600		
Wood and paper.....	1, 070	18, 299		
Nonmetallic minerals.....	57	741		
Machinery and vehicles.....	1, 753	569, 725		
Unclassified.....	1, 762	419, 356		
Total.....	9, 928	2, 461, 166	6, 149	\$67, 179

Vessel classification, 1920.

Class, enrolled and licensed.	American coastwise.	Net tonnage.	Passengers.
Local:			
Steamers.....	1	58	} 25,462
Gasoline.....	10	84	
Total.....	11	142	25,462

SIUSLAW RIVER, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892 (fiscal year).....	2,381	(¹)	(¹)	1902.....	25,213	(¹)	(¹)
1893 (fiscal year).....	7,000	(¹)	(¹)	1903.....	25,337	(¹)	222
1894 (fiscal year).....	8,050	(¹)	(¹)	1904.....	24,816	\$584,165	204
1895 (fiscal year).....	15,296	(¹)	(¹)	1905.....	18,090	259,164	10
1896.....	7,184	(¹)	(¹)	1906.....	14,344	358,890	23
1897.....	2,239	(¹)	(¹)	1907-1911 ¹			
1898.....	4,350	(¹)	(¹)	1912.....	5,927	479,809	242
1899.....	4,907	(¹)	(¹)	1913.....	32,995	1,495,841	(¹)
1900.....	18,675	(¹)	(¹)	1914.....	37,209	1,255,627	(¹)
1901.....	22,351	(¹)	(¹)	1915.....	6,757	442,060	47
				1916.....	4,605	478,068	5
				1917.....	164	9,031	(¹)
				1918-1920 ¹			

¹ No statistics available.

The lack of commerce is due to the suspension of sawmill operations on the river, because of the scarcity of lumber carriers for ocean commerce, and depressed lumber market.

YAQUINA RIVER, OREG.

TOLEDO TO YAQUINA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated logs.	Value.
				Tons.	
1913 ¹	14,860	\$876,708	(²)		
1914 ¹	18,241	548,600	(²)		
1915.....	8,452	88,256	1,944		
1916 ³	7,902	547,423	700		
1917.....	1,150	33,000	900		
1918.....	42,905	1,299,640	48,792	7,112	\$45,517
1919.....	6,040	719,522	10,500	728	4,936
1920.....	5,636	1,270,268	32,086	76,500	181,500

¹ Bar traffic also.² No statistics available.³ Bar report, 60 per cent of which was carried on the river.⁴ Increased shipments of lumber, due to activities of Spruce Corporation.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
UPBOUND.				
Unclassified.....		3,506		\$770,280
General merchandise.....	3,100		\$737,800	
Miscellaneous.....	406		32,480	
Total.....	3,506			770,280
DOWNBOUND.				
Unclassified.....		2,130		490,988
General merchandise.....	2,086		496,468	
Miscellaneous.....	44		3,520	
Total.....	2,130			490,988
Total upbound and downbound.....	5,636	5,636		1,270,268

Logs towed, 16,500 short tons, \$181,500; rock (for jetty), 128,039 short tons, \$268,881.

SUMMARY.

Class of commodities.	Domestic.			
	River.		Floating logs, etc.	
	Tons.	Value.	Tons.	Value.
Unclassified.....	5,636	\$1,270,268	16,500	\$181,500

Vessel classification, 1920.

Class.	American (coastwise)	Net Tonnage.	Passengers.
Local:			
Steamers.....	1	24	
Gasoline.....	11	233	
Total.....	12	257	32,066

YAQUINA BAY AND HARBOR, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895	24,589		450	1908	(?)		(?)
1896	17,883		883	1909	(?)		(?)
1897	15,364		836	1910	(?)		(?)
1898	10,380		93	1911	(?)		(?)
1899	5,990		146	1912	(?)		(?)
1900	691		135	1913 ^a	14,860	\$876,708	
1901	576		52	1914 ^a	18,241	548,600	
1902	1,152		47	1915	(?)		(?)
1903	835		30	1916 ^a	7,902	547,423	700
1904	1,113	\$67,826	90	1917	(?)	(?)	(?)
1905	573	49,180	24	1918	5,226	567,397	(?)
1906	582	29,700	(?)	1919	5,425	442,400	(?)
1907	(?)		(?)	1920	6,270	1,229,856	236

¹ The printed report does not give the comparative statement for the bay and harbor, but has included these statistics with the statement for Yaquina River. While some of the traffic over the bar passed over the lower part of the river, the greater part of the traffic stopped at the railroad terminus (Yaquina City) 4½ miles from the entrance. The inclosed statement shows the traffic over the bar.

² No statistics available.

³ River traffic also.

[Navigation season: Jan. 1 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products, except wool and hair: Fish, salmon.....	1,578	.....	1,578	\$410,280	\$410,280
Wood and paper: Lumber, sawed.....	1,092	.....	1,092	19,656	19,656
Unclassified: General merchandise.....	.....	3,240	3,240	771,120	771,120
Total.....	2,670	3,240	5,910	.....	1,201,056
SHIPMENTS, COASTWISE.					
Unclassified: Miscellaneous.....	.....	360	360	28,800	28,800
Total receipts and shipments.....	2,670	3,600	6,270	.....	1,229,856

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	1,578	\$410,280
Wood and paper.....	1,092	19,656
Unclassified.....	3,600	799,920
Total	6,270	1,229,856

Vessel classification, 1920.

Class.	Arrived.		Departed.		Passengers.
	Number.	Tons.	Number.	Tons.	
Coastwise, American:					
Steamers.....	40	1,200	41	1,235	
Gasoline.....	478	6,258	470	6,170	
Total.....	518	7,458	511	7,405	226

TILLAMOOK BAY AND BAR, OREG.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896.....	25,977	(1)	1,765	1909.....	25,025	\$2,913,065	3,354
1897.....	29,405	(1)	900	1910.....	21,898	2,467,080	2,431
1898.....	35,885	(1)	1,000	1911 ²	26,024	2,630,480	5,245
1899.....	26,835	(1)	480	1912.....	17,612	2,115,480	67
1900.....	17,640	(1)	1,198	1913.....	9,185	1,035,500	15
1901.....	21,147	(1)	1,048	1914.....	9,018	1,173,760	
1902.....	24,883	(1)	1,702	1915.....	9,710	1,371,000	
1903.....	16,862	(1)	1,440	1916.....	6,404	1,219,650	
1904.....	13,823	\$658,489	1,503	1917.....	1,054	146,730	
1905.....	13,919	699,760	1,384	1918.....			
1906.....	13,627	850,240	1,369	1919.....	189	29,300	
1907.....	22,917	1,246,710	1,479	1920.....	119	38,420	
1908.....	19,400	1,098,990	1,445				

¹ No statistics available.² Railroad completed into Tillamook in the fall of 1911.

[Navigation season: Jan. 1 to Dec. 31.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS, COASTWISE.				
Unclassified: General merchandise.....	65	65	\$15,470	\$15,470
SHIPMENTS, COASTWISE.				
Animals and animal products: Dairy products.....	54	54	22,950	22,950
Total receipts and shipments.....	119	119		38,420

SUMMARY.

Classes of commodities.	Domestic coastwise.	
	Tons.	Value.
Animals and animal products, except wool and hair.....	54	\$22,950
Unclassified.....	65	15,470
Total.....	119	38,420

Vessel classification, 1920.

Class.	Arrived.		Departed.	
	Number.	Tons.	Number.	Tons.
Coastwise, American: Gasoline.....	1	55	1	55

NEHALEM BAY, OREG.*Comparative statement of traffic.*

Year.	Tons.	Value.	Year.	Tons.	Value.
1911.....	(1)	(1)	1916.....		
1912.....	18,695	\$379,877	1917.....		
1913.....	4,475	67,311	1918.....		
1914.....	8,896	374,848	1919.....	(1)	(1)
1915.....			1920.....	3,085	\$57,595

¹ No statistics available.² Mostly lumber shipped by barge.

Passengers carried in 1912, 200.

[Navigation season: Jan. 1 to Dec. 31.]

*Freight traffic, 1920.***DOMESTIC.**

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals.....			250		\$3,145
Cement.....		50		\$1,125	
Clay and clay products.....		200		2,020	
Ores, metals and manufactures of, except machinery and vehicles: Iron and steel.....		10	10	800	800
Total.....		260	260		3,945
SHIPMENTS, COASTWISE.					
Wood and paper.....			2,825		53,650
Sawed lumber.....	2,425			43,650	
Lath.....	400			10,000	
Total.....	2,825		2,825		53,650
Total receipts and shipments.....	2,825	260	3,085		57,595

No record of river traffic.

SUMMARY.

Class of commodities.	Domestic, coastwise.	
	Tons.	Value.
Nonmetallic minerals.....	250	\$3,145
Ores, metals, and manufactures of, except machinery and vehicles.....	10	800
Wood and paper.....	2,825	53,650
Total.....	3,085	57,595

Vessel classification, 1920.

Class.	Arrived.		Departed.	
	Number.	Tons.	Number.	Tons.
American coastwise steamers.....	4	1,076	4	1,076

COLUMBIA RIVER AND TRIBUTARIES ABOVE CELILO FALLS TO MOUTH OF SNAKE RIVER, OREG. AND WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1907.....	7,776	\$450,000	2,584	1914.....			
1908.....	1,349	45,415	(¹)	1915 ⁴	8,394	\$809,068	6,182
1909.....	8,421	535,480	(¹)	1916.....	8,816	1,121,517	3,221
1910 ²	13,530	562,367	900	1917.....	7,864	1,239,416	1,502
1911 ³	16,411	671,294	1,049	1918.....	61	14,429	17
1912.....	7,124	615,646	1,050	1919.....	387	176,683	37
1913.....				1920.....	1,111	223,604	122

¹ No statistics available.² Includes 5,465 tons of stone for construction of railroad bridge below Kennewick.³ Includes 9,000 tons of stone for construction of railroad bridge below Kennewick.⁴ Dalles-Celilo Canal opened May 5, 1915.

Oct. 31, 1912, to May 5, 1915, navigation entirely suspended.

[Navigation season Jan. 1 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
UPBOUND.					
Animals and animal products, except wool and hair:					
Cattle.....	0.5		0.5	\$86	\$86
Wood and paper: Lumber, sawed.....	4.5		4.5	81	81
Unclassified: General merchandise.....		561	561	126,378	126,378
Total.....	5	561	566		126,545
DOWNBOUND.					
Animals and animal products, except wool and hair:			8		2,300
Hogs.....	3.8			1,282	
Horses.....	4.2			1,008	
Vegetable food products, oil seeds, expressed oils, and beverages.....			102		8,556
Wheat, grain.....		30.5		2,074	
Wheat, flour.....		54		5,282	
Oats, grain.....		17.5		1,190	
Textiles: Wool.....		73	73	65,700	65,700
Wood and paper: Lumber, sawed.....	23.5		23.5	423	423
Unclassified: Miscellaneous.....		338.5	338.5	20,080	20,080
Total.....	31.5	513.5	545		97,059
Total upbound and downbound.....	36.5	1,074.5	1,111		223,604

Freight traffic, 1920—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	8.5	\$2,386
Vegetable food products, oil seeds, expressed oils, and beverages.....	102	8,556
Textiles.....	73	65,700
Wood and paper.....	28	504
Unclassified.....	899.5	146,458
Total.....	1,111	223,604

Vessel classification, 1920.

Class, enrolled and licensed.	River.	Net registered tonnage.	Passengers.
Licensed river steamers.....	1	417	132
Gasoline boats.....	9	32	.....
Barges and sailboats.....	3	62	.....
Total.....	13	511	132

SNAKE RIVER, OREG., WASH., AND IDAHO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1907.....	39,228	\$1,430,300	14,540	1914.....	32,137	\$1,085,677	4,249
1908.....	46,325	1,251,335	4,771	1915.....	41,818	1,347,937	1,465
1909.....	35,245	1,026,086	(¹)	1916.....	43,497	1,921,434	2,115
1910.....	25,073	887,365	587	1917.....	57,718	3,772,676	1,538
1911.....	30,723	1,020,109	242	1918.....	21,258	1,650,713	964
1912.....	41,766	1,318,255	3,771	1919.....	17,508	1,239,124	835
1913.....	46,887	1,301,830	6,879	1920.....	29,868	2,311,756	986

¹ No statistics available.

[Navigation season: Jan. 1 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
UPBOUND.					
Vegetable food products, oil seeds, expressed oil, and beverages.....			81		\$5,030
Grains, oats.....		8		\$544	
Grains, wheat flour.....		27		2,646	
Fodders, mill feed.....		46		1,840	
Wood and paper.....			19.5		407
Lumber, sawed.....	17.5			315	
Shingles.....		2		92	
Nonmetallic minerals.....			5		154
Coal, bituminous.....		2		26	
Gasoline.....		1		83	
Cement.....		2		45	
Machinery and vehicles: Agricultural implements.....	2		2	652	652
Unclassified.....			765		182,638
Household goods.....		4		1,520	
General merchandise.....		761		181,118	
Total.....	19.5	853	872.5		188,881
DOWNBOUND.					
Animals and animal products, except wool and hair.....			10		3,035
Hogs.....	3.8			1,292	
Horses.....	4.2			1,008	
Fish.....		1		260	
Hides.....		1		475	
Vegetable food products, oil seeds, expressed oils, and beverages.....			28,462		1,936,490
Barley, grain.....		9		612	
Oats, grain.....		27.5		1,870	
Wheat.....	28,304.5			1,924,706	
Wheat flour.....		54		5,292	
Hay.....	20			500	
Oil cake, cottonseed cake.....		40		2,800	
Vegetables, fresh.....		7		700	
Textiles: Wool.....		169	169	152,100	152,100
Machinery and vehicles: Agricultural implements.....		1	1	336	336
Unclassified.....			353.5		30,934
Household goods.....		2		760	
General merchandise.....		13		3,094	
Miscellaneous.....		338.5		27,080	
Total.....	28,332.5	663	28,995.5		2,122,876
Total upbound and downbound.....	28,352	1,516	29,868		2,311,756

SUMMARY.

Classes and commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	10	\$3,035
Vegetable food products, oil seeds, expressed oils, and beverages.....	28,543	1,941,510
Textiles.....	169	152,100
Wood and paper.....	19.5	407
Nonmetallic minerals.....	5	154
Machinery and vehicles.....	3	978
Unclassified.....	1,118.5	213,572
Total.....	29,868	2,311,756

Vessel classification, 1920.

Class, enrolled and licensed.	River.	Net tonnage.	Passengers.
Local:			
Steamers.....	1	417	132
Gasoline.....	2	7	804
Total.....	3	424	936

CANAL AT THE CASCADES, COLUMBIA RIVER.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Floated logs.	
				Number.	Value.
1897 ¹	4,926	(²)	9,081	15	(²)
1898	18,678	(²)	30,327	136	(²)
1899	16,680	(²)	23,908	20	(²)
1900	17,630	(²)	30,639	80	(²)
1901	22,426	(²)	34,762		
1902	19,710	(²)	52,720		
1903	36,181	(²)	50,821		
1904	31,967	(²)	70,971		
1905	35,166	\$2,285,725	64,403		
1906	46,883	2,813,940	138,070		
1907	53,770	3,226,200	89,239		
1908	54,954	3,297,240	86,615		
1909	34,168	2,050,000	70,482		
1910	32,794	1,927,352	93,639		
1911	38,063	2,543,799	96,810		
1912	41,778	4,034,315	84,925		
1913	32,419	3,155,061	63,447	800	\$2,800
1914	42,904	3,085,215	74,291	1,000	3,500
1915	42,477	4,886,035	103,380		
1916	37,280	4,608,269	43,509		
1917	40,135	6,741,134	38,387		
1918	25,733	4,949,942	17,040		
1919	20,720	4,112,110	8,602		
1920	16,557	3,946,615	8,544	200	2,200

¹ Opened to navigation on Nov. 5, 1896; 1897 to 1913, fiscal years, and 1914 to date, calendar years.² No statistics available.

[Navigation season: Jan. 1 to Dec. 31.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
UPBOUND.					
Animals and animal products, except wool and hair			300.6		\$71,940.90
Cattle	46.5			\$8,998.00	
Hogs	1.4			478.00	
Sheep	1.8			356.40	
Horses	231.25			55,500.00	
Meats, fresh		17		5,525.00	
Dairy products		1.1		467.50	
Fish		.55		143.00	
Hides		1		475.00	

Freight traffic, 1920—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
UPBOUND—continued.					
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			4,585.62		\$209,593.04
Wheat, grain.....		17.7		\$1,203.60	
Wheat, flour.....		196.28		19,253.44	
Hay.....		81.44		2,036.00	
Mill feed.....		4,032		161,280.00	
Vegetables.....		61		6,100.00	
Fruits and berries.....		197.2		19,720.00	
Textiles: Wool.....		1	1	900.00	900.00
Wood and paper.....			458.57		25,182.26
Lumber, sawed.....	86.57			1,558.26	
Lath.....	108			3,240.00	
Shingles.....	80			3,680.00	
Box shooks.....	64			2,304.00	
Mill work.....		50		6,000.00	
Print paper.....		70		8,400.00	
Nonmetallic minerals.....			420.5		22,933.35
Coal, bituminous.....	124			1,612.00	
Refined petroleum products.....		32		2,656.00	
Cement and lime.....		75		16,875.00	
Bricks.....	142.5			145.35	
Sewer pipe and tile.....	47			1,645.00	
Ores, metals, and manufactures of, except machinery and vehicles.....			150		31,355.00
Iron and steel.....	101			8,080.00	
Pipe and plumbing.....		49		23,275.00	
Machinery and vehicles.....			721		638,628.00
Machinery, miscellaneous.....	178			57,850.00	
Agricultural implements.....	53			17,278.00	
Automobiles.....	490			563,500.00	
Unclassified.....			2,134.52		526,269.76
Merchandise.....		1,817.52		439,709.76	
Furniture and household.....		212		80,560.00	
Miscellaneous.....		75		6,000.00	
Total.....	1,755.02	7,016.79	8,771.81		1,526,802.31
DOWNBOUND.					
Animals and animal products, except wool and hair.....			742.38		213,774.00
Cattle.....	85.5			14,706.00	
Hogs.....	35			11,900.00	
Sheep.....	13.4			2,563.20	
Horses.....	357.5			90,120.00	
Meats, fresh.....		36		11,700.00	
Dairy products.....		47		19,975.00	
Fish.....		78.98		20,534.80	
Hides.....		89		42,275.00	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			2,908.30		279,810.00
Grains, wheat.....	118			8,024.00	
Wheat flour.....		67		6,566.00	
Hay.....		14		350.00	
Mill feed.....		100.5		4,020.00	
Vegetables.....		510		51,000.00	
Fruits and berries.....		2,098.8		209,880.00	
Textiles: Wool.....		97.5	97.5	877,500.00	877,500.00
Wood and paper: Lumber, sawed.....	13.8		13.8	2,484.00	2,484.00
Machinery and vehicles.....			234		226,225.00
Machinery, miscellaneous.....		27		8,775.00	
Agricultural implements.....		25		8,150.00	
Automobiles.....	182			209,300.00	
Unclassified.....			3,789.6		819,990.04
Merchandise.....		2,289.38		658,872.44	
Furniture and household.....		137		52,060.00	
Miscellaneous.....		1,363.22		109,057.60	
Total.....	805.2	6,980.38	7,785.58		2,419,813.04
Total upbound and downbound.....	2,560.22	13,997.17	16,557.39		3,946,615.35

Downbound: Floated logs, 500 tons; value, \$2,200.

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Domestic.			
	Local.		Floating logs, etc.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	1,042.98	\$285,714.90		
Vegetable food products, oil seeds, expressed oils, and beverages.....	7,493.92	489,433.04		
Textiles.....	96.5	878,400.00		
Wood and paper.....	472.37	27,666.26		
Nonmetallic minerals.....	420.5	22,933.35		
Orss. metals and manufactures of, except machinery and vehicles.....	150	31,355.00		
Machinery and vehicles.....	955	864,853.00		
Unclassified.....	5,924.12	1,346,259.80		
Total.....	16,557.39	3,946,615.35	200	\$2,200.00

Vessels locked through canal.

Classes.	Passages.	Lockages.	Net registered tonnage.	Passengers.
Licensed river steamers.....	268	268	110,210	8,544
Gasoline boats.....	145	145		
Barges and sailboats.....	36	35		
Rafts.....	4	4		
Total.....	453	452	110,210	8,544

THE DALLES-CELILO CANAL, COLUMBIA RIVER, OREG. AND WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1915.....	8,394	\$809,068	6,182	1918.....	61	\$14,429	17
1916.....	8,684	1,126,639	2,106	1919.....	462	197,352	37
1917.....	5,308	855,060	1,286	1920.....	1,204	247,307	132

Prior to the opening of the canal, May 5, 1915, the traffic was handled by the Oregon State Portage Railroad between The Dalles and Celilo, and included railroad and canal construction materials and supplies and only a small part of the traffic was handled by river boats which connected with the Portage Railroad. The greater part of the traffic handled by the Portage Railroad was handled by the Oregon-Washington Railroad & Navigation Co., and transferred to the Portage Railroad at Celilo or The Dalles. The part of the river traffic that was portaged is shown by the comparative statement for Columbia River and tributaries, Celilo to Snake. The following statement shows the traffic which actually passed through the canal since the opening, May 5, 1915.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By Classes.
UPBOUND.					
Animals and animal products, except wool and hair:					
Cattle.....	0.5		0.5	\$86	\$86
Wood and paper: Lumber, sawed.....	4.5		4.5	81	81
Unclassified: General merchandise.....		561	561	126,378	126,378
Total.....	5	561	566		126,545
DOWNBOUND.					
Animals and animal products, except wool and hair.....			101.05		26,493
Hogs.....	3.8			1,292	
Horses.....	4.2			1,008	
Fish.....	93.05			24,193	
Vegetable food products, oil seeds, expressed oils, and beverages.....			102		9,556
Wheat, grain.....		30.5		2,074	
Wheat, flour.....		54		5,292	
Oats.....		17.5		1,190	
Textiles: Wool.....		73	73	65,700	65,700
Wood and paper: Lumber, sawed.....	23.5		23.5	423	423
Unclassified: Miscellaneous.....		338.5	338.5	20,080	20,080
Total.....	124.55	513.5	638.05		120,762
Total upbound and downbound.....	129.55	1,074.5	1,204.05		247,797

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	101.55	\$26,579
Vegetable food products, oil seeds, expressed oils, and beverages.....	102	8,086
Textiles.....	73	65,700
Wood and paper.....	28	504
Unclassified.....	899.5	146,458
Total.....	1,204.05	247,307

Vessels locked through canal.

Classes.	Passages.	Lockages.	Net registered tonnage.	Passengers.
Licensed river steamers.....	10	10	4,170	132
Gasoline boats.....	79	66	174	
Barges and sailboats.....	16	7	261	
Total.....	105	83	4,605	132

COLUMBIA RIVER, VANCOUVER TO THE DALLES, WASH.*Comparative statement of traffic.*

None heretofore furnished; no project for improvement.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
UPBOUND.					
Animals and animal products, except wool and hair.....			541.3		\$231,178
Cattle.....	120			\$20,640	
Hogs.....	2			680	
Sheep.....	2			396	
Horses.....	368.8			88,512	
Meats, fresh.....		35.5		115,375	
Dairy products.....		12		5,100	
Hides.....		1		475	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			5,072.7		236,808
Wheat, grain.....		40		2,720	
Wheat, flour.....		326		31,948	
Hay.....		120		3,000	
Mill feed.....		4,325.5		173,020	
Vegetables.....		64		6,400	
Fruits and berries.....		197.2		19,720	
Textiles: Wool.....		1	1	900	900
Wood and paper.....			908.5		42,362
Lumber, sawed.....	385			6,930	
Lath.....	108			3,240	
Shingles.....	158			7,268	
Box shooks.....	64			2,304	
Mill work.....		116.5		13,980	
Print paper.....		72		8,640	
Nonmetallic materials.....			44,647		642,412
Coal.....	181			2,353	
Crude petroleum.....	43,897			625,522	
Refined petroleum.....		36		2,988	
Asphalt, prepared.....	32			960	
Cement and lime.....	75			1,687	
Bricks.....	209			2,132	
Tile.....	52			1,820	
Magnesite.....	165			4,960	
Ores, metals, and manufactures of, except machinery and vehicles.....			792.5		147,732
Iron and steel.....	579			46,320	
Pipe fittings and plumbing goods.....		213.5		101,412	
Machinery and vehicles.....			1,237		632,662
Machinery, miscellaneous.....	680			46,320	
Agricultural implements.....	67			22,842	
Automobiles.....	490			563,500	
Chemicals: Alum.....		672.5	672.5	53,800	53,800
Unclassified.....			3,815.5		795,545
Merchandise, miscellaneous.....		2,447.5		582,505	
Furniture and household goods.....		312		128,560	
Miscellaneous.....		1,056		84,480	
Total.....	47,634.8	10,048.2	57,683		2,783,399
DOWNBOUND.					
Animals and animal products, except wool and hair.....			1,171.6		319,544
Cattle.....	223			38,356	
Hogs.....	6.1			2,074	
Sheep.....	17			3,366	
Horses.....	531			127,440	
Meats, fresh.....		36		11,700	
Dairy products.....		152		64,600	
Fish.....		112		20,120	
Hides.....		94.5		42,888	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			4,618.2		397,279
Wheat, grain.....	1,296			88,128	
Wheat, flour.....		153.7		15,063	
Hay.....	79.5			1,988	
Mill feed.....		280		11,200	
Vegetables.....		694.5		69,450	
Fruit and berries.....		2,114.5		211,450	
Textiles: Wool.....		97.5	97.5	87,750	87,750

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
DOWNBOUND -continued.					
Wood and paper.....			47,464		\$5,547,750
Lumber.....	1,015			\$18,270	
Shingles.....	600			27,600	
Paper.....	45,849			5,501,880	
Machinery and vehicles.....			294		245,725
Machinery, miscellaneous.....	87			28,275	
Agricultural implements.....	25			8,150	
Automobiles.....	182			209,300	
Unclassified.....			4,538		820,142
Merchandise, miscellaneous.....		2,369		565,822	
Furniture and household goods.....		270		102,600	
Miscellaneous.....		1,899		151,720	
Total.....	49,910.6	8,272.7	58,183.3		7,418,190
Total upbound and downbound.....	97,545.4	18,320.9	115,866.3		10,201,589

Logs towed, 138,345 tons; value, \$1,521,795.

SUMMARY.

Classes and commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	1,712.9	\$550,722
Vegetable food products, oil seeds, expressed oils, and beverages.....	9,690.9	634,067
Textiles.....	98.5	88,650
Wood and paper.....	48,367.5	5,590,112
Nonmetallic minerals.....	44,647	642,412
Ores, metals, and manufactures of, except machinery and vehicles.....	792.5	147,732
Machinery and vehicles.....	1,531	878,387
Chemicals.....	672.5	53,900
Unclassified.....	8,353.5	1,615,687
Total.....	115,866.3	10,201,589

Floating logs, 138,345 tons; value, \$1,521,795.

16,969.9 tons of the above tonnage passed through the Cascades Canal.

Vessel classification.

Class, enrolled and licensed.	River.	Net ton- nage.	Passen- gers.
Steamers.....	11	4,273	8,727
Gasoline.....	10	96	
Total.....	21	4,369	8,727

PORTLAND, OREG., SECOND DISTRICT.

COLUMBIA RIVER AT THE MOUTH.

All of the ocean-going vessels, and the foreign and domestic commerce, reported in the following tables under "Columbia and Lower Willamette Rivers below Vancouver, Wash., and Portland, Oreg.," apply to the mouth of Columbia River, Oreg. and Wash.

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.

Comparative statement of traffic.

[illegible]

No statistics available.

The decrease in inland river tonnage since 1915 was due to completion of rock deliveries to Government jetties.

1290 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

• Freight traffic. 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		112		\$1,746,353
Furs.....	94		\$1,737,692	
Hides and pelts.....	18		8,661	
Vegetable food products, oil seeds, expressed oils, and beverages.....		10,332		1,456,643
Copra.....	856		84,095	
Oil, cake.....	3,435		137,373	
Oil, peanut.....	184		84,904	
Oil, soya bean.....	4,064		866,352	
Rice.....	123		21,724	
Sugar, cane.....	189		52,491	
Table-food preparations.....	533		86,295	
Tea.....	115		69,016	
Wheat.....	833		55,393	
Other vegetable products, except fibers and wood.....		5,355		2,463,150
Rubber, crude.....	1,933		1,415,750	
Seeds, flax and linseed.....	1,388		249,894	
Seed, grass.....	2,034		797,516	
Textiles.....		6,887		2,376,106
Bags and burlap.....	4,474		1,382,426	
Cotton, manufactured.....	69		121,123	
Fiber, manufactured.....	534		160,270	
Hemp.....	1,794		534,676	
Silks.....	5		134,420	
Wool, manufactured.....	11		43,253	
Nonmetallic minerals: Earthenware.....	95	95	70,934	70,994
Ores, metals, and manufactures, except machinery and vehicles.....		736		121,006
Iron and steel.....	669		53,572	
Tin.....	67		67,494	
Machinery and vehicles: Machinery.....	33	33	10,006	10,006
Chemicals.....		8,766		509,553
Nitrate of soda.....	2,702		183,653	
Oil, creosote.....	6,063		326,500	
Unclassified.....		14,390		1,264,815
Household goods.....	280		80,338	
Toys and dolls.....	102		62,217	
Miscellaneous.....	14,028		1,122,260	
Total.....		46,705		10,018,698
EXPORTS.				
Animals and animal products, except wool and hair.....		2,651		712,296
Milk, condensed.....	2,261		563,585	
Salmon, canned.....	390		148,713	
Vegetable food products, oil seeds, expressed oils, and beverages.....		468,065		40,840,895
Flour.....	99,374		10,827,264	
Wheat.....	368,691		30,013,631	
Other vegetable products, except fibers and wood: Hops.....	148	148	63,719	63,719
Textiles: Cotton.....	7,701	7,701	6,492,222	6,492,222
Wood and paper.....		364,531		8,452,487
Lumber.....	361,583		7,994,612	
Paper, newsprint.....	2,948		457,875	
Nonmetallic minerals.....		6,885		74,556
Coal.....	6,101		62,337	
Oil, fuel, and gas.....	784		12,219	
Ores, metals, and manufactures, except machinery and vehicles.....		40,381		2,951,080
Iron and steel.....	38,860		2,707,644	
Tin.....	1,521		243,396	
Machinery and vehicles.....		1,896		650,845
Automobiles and parts.....	90		109,045	
Machinery.....	1,806		541,800	
Chemicals: Soda, caustic.....	1,276	1,276	147,068	147,068
Unclassified: Miscellaneous.....	12,653	12,653	1,012,232	1,012,232
Total.....		906,187		61,397,372
Total imports and exports.....		952,892		71,416,080

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rates per ton-mile.	
	Bulk.	Package.		By commodities.	By classes.		Car-load.	Less than carload.
RECEIPTS, COASTWISE.								
Animals and animal products, except wool and hair.....			994		\$502,265	Miles.		
Butter.....		89		\$102,350		722	\$0.014	\$0.018
Cheese.....		31		18,600		722	.014	.018
Hides.....		155		73,625		722	.011	.015
Lard.....		374		187,000		722	.006	.011
Milk, condensed.....		213		36,210		722	.006	.009
Salmon, canned.....		132		84,480		722	.006	.009
Vegetable food products, oil seeds, expressed oils, and beverages.....			48,137		13,447,968			
Barley.....		243		14,580		722	.006	.011
Coffee.....		3,579		1,861,080		722	.006	.008
Corn.....		982		62,848		722	.006	.011
Fruits and vegetables, canned.....		8,300		1,245,000		722	.006	.009
Fruits and vegetables, fresh and dried.....		3,158		410,540		722	.007	.011
Potatoes.....		310		12,400		722	.009	.015
Rice.....		1,852		333,360		722	.006	.013
Sugar.....		29,713		9,508,160		722	.006	.011
Other vegetable products, except fibers and wood: Seeds.....		30	30	2,400	2,400	722	.011	.015
Textiles.....			1,881		625,125			
Bags and burlap.....		1,857		603,525		722	.006	.007
Wool.....		24		21,600		722	.016	.036
Wood and paper.....			1,200		70,050			
Lumber.....		725		13,050		722	.006	.011
Paper.....		475		57,000		722	.006	.009
Nonmetallic minerals.....			1,240,556		32,931,176			
Asphalt.....		24,764		742,920		722	.006	.010
Cement.....		34,765		730,065		722	.004	.011
Coal.....		76		988		722	.009	.013
Gasoline, naphtha, and other finished light products.....	210,582			17,478,306		722	.0028	
Oil, crude.....	945,174			13,468,729		722	.0028	
Salt.....		13,649		163,788		722	.004	.011
Sulphur.....	11,546			346,380		722	.006	.008
Ores, metals, and manufactures, except machinery and vehicles.....			22,942		11,414,520			
Hardware.....		2,965		9,784,500		722	.007	.010
Iron and steel, all kinds.....	19,623			1,569,840		722	.007	.010
Tin.....		354		60,180		722	.008	.011
Machinery and vehicles.....			2,293		2,251,575			
Electrical.....		1,282		1,923,000		722	.010	.018
Machinery, boilers, etc.....		1,011		328,575		722	.009	.014
Chemicals.....			7,732		1,569,920			
Paints and oils.....	7,634			1,526,800		722	.006	.009
Powder.....	98			43,120		722	.011	.018
Unclassified.....			42,548		7,157,360			
Tobacco.....		282		394,800		722	.011	.018
Miscellaneous.....		42,266		6,762,560		722	.008	.018
Total.....	1,186,925	181,388	1,368,313		69,972,359			

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rates per ton-mile.	
	Bulk.	Pack- age.		By com- modities.	By classes.		Car- load.	Less than carload.
SHIPMENTS, COASTWISE.								
Animals and animal products, except wool and hair.....			8,305		\$2,849,975	Miles.		
Cheese.....		274		\$164,400		722	\$0.015	\$0.019
Fish, fresh.....		4,429		1,151,540		722	.015	.020
Fish, canned.....		1,062		679,680		722	.008	.011
Hides.....		1,451		669,225		722	.011	.015
Milk, condensed.....		1,089		185,130		722	.008	.011
Vegetable food products, oilseeds, expressed oils, and beverages.....			51,795		6,147,644			
Barley.....		61		3,680		722	.009	.015
Flour.....		37,904		3,714,592		722	.009	.015
Fruits and vegeta- bles, canned.....		4,117		1,852,650		722	.008	.011
Fruits and vegeta- bles, fresh.....		1,513		216,690		722	.015	.020
Mill feed.....		6,739		269,560		722	.009	.015
Oats.....		999		59,340		722	.009	.015
Wheat.....		472		31,152		722	.009	.015
Other vegetable prod- ucts, except fibers and wood: Seeds.....		127	127	10,160	10,160	722	.011	.015
Textiles.....			996		455,150			
Bags and burlap.....		750		233,750		722	.008	.009
Wool.....		246		221,400		722	.016	.030
Wood and paper.....			513,853		12,788,216			
Lumber.....	473,230			8,514,140		1,022	.006	
Paper.....		33,472		4,016,640		722	.008	.011
Staves and shooks.....		7,151		257,436		722	.011	.015
Ores, metals, and man- ufactures, except ma- chinery and vehicles.....			2,358		3,576,420			
Hardware.....		1,049		3,471,700		722	.011	.015
Iron and steel, all kinds.....	1,309			104,720		722	.011	.015
Machinery and vehicles: Machinery, boilers, etc.		3,614	3,614	1,174,550	1,174,550	722	.011	.020
Unclassified: Merchand- ise and miscellaneous		13,786	13,786	2,205,780	2,205,780	722		.040
Total.....	474,539	120,295	1,594,834		29,207,875			
Total receipts and shipments.....	1,661,464	301,683	1,963,147		99,180,234			

¹ Does not include 58,000 tons of logs, valued at \$638,000, which were put up in rafts and towed to ports in California.

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UP AND DOWN BOUND, INTERNAL.							
Animals and animal products, except wool and hair.			24, 530		\$7, 180, 459	Miles.	
Cattle.		2, 541		\$437, 052		100	\$0.082
Dairy products: Milk, cream, butter, eggs, cheese, etc.		5, 691		2, 418, 675		100	.094
Fish.		13, 357		3, 467, 620		100	.048
Hides.		200		95, 000		100	.048
Hogs.		343		116, 620		100	.079
Horses.		1, 399		355, 760		100	.052
Meats, fresh and cured.		850		276, 250		100	.094
Sheep.		169		33, 462		100	.079
Vegetable food products, oil seeds, expressed oils, and beverages.			32, 129		1, 932, 041		
Flour.		2, 505		245, 490		100	.048
Fruits.		1, 190		119, 000		100	.094
Grain, all kinds.		5, 982		406, 776		100	.048
Hay.		3, 583		89, 575		100	.056
Mill feed.		13, 595		543, 800		100	.048
Vegetables.		5, 274		527, 400		100	.094
Textiles.			31, 587		7, 532, 364		
Merchandise.		31, 283		7, 447, 724		100	.094
Wool.		94		84, 600		100	.094
Wood and paper.			3, 153, 142		50, 493, 142		
Logs, rafted.	2, 769, 475			50, 464, 255		70	.008
Manufactures of wood.		307		36, 840		100	.094
Paper.		120, 839		14, 500, 680		100	.056
Paper base stock.	54, 942			3, 296, 520		100	.048
Piling, rafted.	2, 534			10, 218		70	.008
Sawdust.	133, 457			40, 037		30	.004
Shingles.		33, 316		1, 532, 536		100	.048
Timbers, sawed.	22, 069			577, 242		100	.015
Wood, for fuel.	6, 203			28, 844		100	.045
Nonmetallic minerals.			1, 054, 836		4, 519, 999		
Asphalt.		2, 496		74, 880		100	.048
Brick.	1, 239			12, 762		100	.048
Coal.		6, 649		86, 457		100	.048
Gasoline, naphtha, and other finished light prod- ucts.		1, 291		107, 153		80	.060
Lime, plaster, and cement.		7, 111		159, 998		100	.048
Magnesite.		263		7, 890		100	.048
Oil, crude.	247, 042			3, 520, 349		100	.006
Sand and gravel.	530, 517			388, 946		50	.006
Stone.	207, 521			139, 039		50	.006
Sulphur.		440		13, 200		100	.056
Tiles.	267			9, 345		100	.048
Ores, metals, and manufac- tures, except machinery and vehicles.			15, 491		5, 158, 325		
Iron and steel, all kinds.	5, 620			449, 600		100	.048
Pipe, pipe fittings, and plumbing goods.		9, 871		4, 688, 725		100	.048
Machinery and vehicles.			7, 254		4, 115, 653		
Agricultural implements, and vehicles.		853		278, 078		100	.094
Machinery, boilers, etc.		4, 271		1, 588, 075		100	.094
Automobiles.	2, 150			2, 449, 500		100	.156
Chemicals: Alum.		756	756	60, 480	60, 480	100	.056
Unclassified.			18, 731		1, 888, 180		
Household goods.		1, 299		493, 620		100	.094
Miscellaneous.		17, 432		1, 394, 560		100	.056
Total.	4, 040, 886	297, 370	4, 338, 256		82, 860, 593		

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	112	\$1,746,353	2,651	\$712,208
Vegetable food products, oil seeds, expressed oils, and beverages.....	10,332	1,456,643	468,065	40,840,895
Other vegetable products, except fibers and wood.....	5,355	2,463,150	148	63,719
Textiles.....	6,887	2,376,168	7,701	6,462,232
Wood and paper.....			364,531	8,452,467
Nonmetallic minerals.....	95	70,934	6,885	74,556
Ores, metals, and manufactures, except machinery and vehicles.....	736	121,066	40,381	2,951,030
Machinery and vehicles.....	33	10,006	1,896	650,845
Chemicals.....	8,765	509,553	1,276	147,098
Unclassified.....	14,390	1,264,815	12,653	1,012,232
Total.....	46,705	10,018,688	906,187	61,397,372

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Internal.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	9,299	\$3,352,240	24,530	\$7,180,439	36,502	\$12,991,330
Vegetable food products, oil seeds, expressed oils, and beverages...	99,932	19,595,612	32,129	1,932,041	610,458	63,825,191
Other vegetable products, except fibers and wood.....	157	12,560			5,660	2,539,429
Textiles.....	2,877	1,080,275	31,387	7,532,334	48,852	17,480,019
Wood and paper.....	515,053	12,858,266	3,153,142	50,493,142	4,032,726	71,803,895
Nonmetallic minerals.....	1,240,556	32,931,176	1,054,836	4,519,999	2,302,372	37,506,065
Ores, metals, and manufactures, except machinery and vehicles.....	25,300	14,990,940	15,491	5,138,325	81,906	23,201,361
Machinery and vehicles.....	5,907	3,426,125	7,254	4,115,653	15,090	8,202,629
Chemicals.....	7,732	1,569,920	756	60,480	18,529	2,287,041
Unclassified.....	56,334	9,363,120	18,731	1,888,180	102,108	13,528,347
Total.....	1,963,147	99,180,234	4,338,256	82,980,593	7,254,295	253,456,887

¹ The Internal traffic includes 2,772,009 tons of rafted timbers, valued at \$30,490,443; also 56,557 tons of sawdust, valued at \$16,967, used in connection with river and harbor improvement, but does not include 58,000 tons logs, valued at \$638,000, towed in rafts to ports in California.

Freight traffic not included in the foregoing tables: Cargoes in transit, tons, 71,279, value, \$7,869,459.

Statistics for general ferry traffic are not available. There is no car-ferry traffic at this locality.

Passenger traffic, 1920.

From coastwise ports.....	11, 088
To coastwise ports.....	13, 780
Internal, in addition to above.....	248, 911
Total.....	273, 779

Vessels.

	Times entered and cleared.	Total net registered tonnage.
OCEAN GOING.		
Entered from foreign ports.....	58	202, 623
Entered from coastwise ports.....	918	1, 341, 254
Total.....	976	1, 543, 877
Cleared to foreign ports.....	169	502, 876
Cleared to coastwise ports.....	830	1, 111, 088
Total.....	999	1, 613, 964
Total.....	1, 975	3, 157, 841
	Number operated.	Total net registered tonnage.
INLAND RIVER.		
Freight and passenger.....	25	5, 684
Towing.....	53	8, 599
Total.....	78	14, 283

The 1,975 ocean going entrances and clearances were made by 325 vessels loaded to drafts, as follows:

10 to 15 feet.....	16
15 to 20 feet.....	60
20 to 25 feet.....	139
25 to 26 feet.....	47
26 to 27 feet.....	25
27 to 28 feet.....	21
28 to 29 feet.....	11
29 to 30 feet.....	3
30 to 31 feet.....	2
34.9 feet.....	1

Total (729,856 net registered tons)..... 325

Usual limits of drafts for loaded vessels: Ocean going, 28 feet; inland river, 7 feet.

CLATSKANIE RIVER, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1886.....	20,000	(¹)	(¹)	97,242	(¹)
1887.....	(¹)	(¹)	(¹)	(¹)	(¹)
1888.....	20,983	(¹)	12,250	132,274	(¹)
1889.....	17,186	(¹)	5,210	50,940	(¹)
1900.....	43,420	(¹)	5,305	45,208	(¹)
1901.....	6,002	(¹)	2,136	45,965	(¹)
1902.....	4,332	(¹)	1,180	19,458	(¹)
1903.....	2,747	(¹)	494	23,018	(¹)
1904.....	8,381	\$402,290	525	10,480	\$41,920
1905.....	15,208	562,600	54	46,770	187,060
1906.....	5,679	197,990	(¹)	4,660	18,640
1907.....	5,615	197,528	502	17,310	83,068
1908.....	7,805	227,188	422	38,577	154,304
1909.....	4,203	337,951	271	55,724	286,528
1910.....	5,963	326,244	310	61,094	183,606
1911.....	8,254	472,832	471	30,688	99,736
1912.....	9,131	497,339	274	24,563	118,599
1913.....	7,620	653,809	310	17,784	88,920
1914.....	8,565	478,633	882	(¹)	(¹)
1915.....	8,921	396,759	678	569	2,276
1916.....	8,313	474,263	606	5,594	22,376
1917.....	15,623	1,144,598	2,142	301	1,806
1918.....	14,896	1,277,265	2,350	39,078	201,547
1919.....	23,763	1,996,259	2,762	78,268	780,996
1920.....	16,327	890,128	181	94,048	1,033,961

¹ No statistics available.

Freight traffic, 1920.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UP AND DOWN BOUND, INTERNAL.							
Animals and animal products, except wool and hair			194		\$61,176	Miles.	
Cattle		38		\$6,536		68	\$0.092
Dairy products: Milk, cream, butter, eggs, cheese, etc.		69		29,325		68	.138
Fish		14		3,640		68	.057
Hides		9		4,275		68	.082
Horses		40		9,600		68	.076
Meats, fresh and cured		24		7,800		68	.138
Vegetable food products, oil seeds, expressed oils, and beverages			968		57,145		
Flour		122		11,956		68	.071
Fruit		11		1,100		68	.138
Grain, all kinds		258		17,544		68	.070
Hay		65		1,625		68	.057
Mill feed		438		17,520		68	.070
Vegetables		74		7,400		68	.082
Textiles			1,338		319,106		
Merchandise		1,337		318,206		68	.138
Wool		1		900		68	.111
Wood and paper			95,422		1,096,511		
Logs, rafted	93,929			1,033,219		68	.006
Lumber	32			576		68	.026
Manufactures of wood		3		360		68	.138
Piling, rafted	119			762		68	.006
Shingles		1,339		61,594		68	.035
Nonmetallic minerals.			9,383		46,185		
Asphalt		659		19,770		68	.070
Brick	107			1,102		68	.060
Coal		6		78		68	.070
Gasoline, naphtha, and other finished light products		31		2,573		68	.060
Lime, plaster, and cement		227		5,108		68	.070
Oil, crude	835			11,899		68	.006
Sand and gravel	7,500			5,025		68	.006
Sewer pipe and tiling	18			630		68	.082
Ores, metals, and manufactures, except machinery and vehicles			117		16,470		
Iron and steel, all kinds	99			7,920		68	.070
Pipe, pipe fittings, and plumbing goods		18		8,550		68	.070
Machinery and vehicles			251		95,756		
Agricultural implements and vehicles		156		50,856		68	.082
Machinery, boilers, etc		78		25,350		68	.070
Automobiles		17		19,550		68	.215
Unclassified			2,702		231,760		
Household goods		52		19,760		68	.138
Miscellaneous		2,650		212,000		68	.103
Total	102,639	7,736	110,375		1,924,109		

Average boat haul: Clatskanie River; 1½ miles, Columbia and Willamette Rivers, 66½ miles; total, 68 miles.

The foregoing statement includes 94,048 tons of logs and piling, valued at \$1,033,981, unloaded from cars at Wallace Slough and there put up in rafts and towed to points on the Columbia and Willamette Rivers.

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair.....	194	\$61, 176
Vegetable food products, oil seeds, expressed oils, and beverages.....	988	57, 145
Textiles.....	1, 338	319, 106
Wood and paper.....	95, 422	1, 066, 511
Nonmetallic minerals.....	9, 383	46, 185
Ores, metals, and manufactures, except machinery and vehicles.....	117	16, 470
Machinery and vehicles.....	251	95, 756
Unclassified.....	2, 702	231, 760
Total.....	110, 375	1, 924, 109

General ferry traffic: Statistics not available.

Vessel classification.

Classes.	Number.	Total net registered tonnage.
Inland freight and passenger.....	2	469
Inland towing.....	16	3, 378
Total.....	18	3, 847

Passengers carried, 181.

The usual limit of draft, for loaded boats using the Clatskanie River, is 4½ feet.

WILLAMETTE RIVER ABOVE PORTLAND, AND YAMHILL RIVER, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1894.....	74, 610	(1)	56, 368	5	(1)
1895.....	130, 870	(1)	57, 376	(1)	(1)
1896.....	218, 292	(1)	48, 465	188	(1)
1897.....	168, 807	(1)	37, 960	17, 814	(1)
1898.....	88, 382	(1)	67, 524	23, 772	(1)
1899.....	94, 479	(1)	50, 738	23, 303	(1)
1900.....	164, 438	(1)	47, 324	18, 000	(1)
1901.....	170, 991	(1)	103, 971	20, 910	(1)
1902.....	128, 180	(1)	95, 221	66, 067	(1)
1903.....	156, 272	(1)	66, 510	80, 551	(1)
1904.....	210, 934	\$10, 775, 412	65, 947	121, 196	\$484, 784
1905.....	195, 968	11, 598, 436	67, 396	130, 290	521, 100
1906.....	234, 478	6, 994, 607	41, 160	149, 433	597, 016
1907.....	341, 989	7, 855, 570	41, 998	70, 857	338, 176
1908.....	357, 869	7, 833, 044	29, 029	45, 279	181, 120
1909.....	475, 841	9, 074, 136	43, 299	43, 409	221, 248
1910.....	744, 820	8, 196, 446	26, 714	42, 677	135, 801
1911.....	805, 530	8, 734, 760	25, 282	70, 210	285, 805
1912.....	911, 074	9, 866, 633	24, 831	75, 435	266, 628
1913.....	678, 932	8, 117, 395	23, 760	85, 930	417, 294
1914.....	407, 932	8, 544, 000	21, 323	108, 620	434, 320
1915.....	373, 644	8, 454, 435	21, 598	196, 916	747, 516
1916.....	412, 318	10, 243, 296	12, 698	250, 865	997, 267
1917.....	293, 400	12, 514, 300	6, 088	198, 501	1, 191, 006
1918.....	273, 224	9, 085, 940	1, 131	359, 171	2, 693, 229
1919.....	350, 660	11, 878, 730	1, 467	313, 346	3, 086, 980
1920.....	731, 167	17, 158, 345	883	552, 881	6, 012, 266

¹ No statistics available.

Freight traffic, 1920.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UP AND DOWN BOUND, INTERNAL.							
Animals and animal products, except wool and hair.....			57		\$13,544	Miles.	
Cattle.....		12		\$2,064		13	\$0.307
Horses.....		37		8,880		13	.307
Meats, fresh and cured.....		8		2,600		13	.384
Vegetable food products, oil seeds, expressed oils, and beverages.....			2,889		187,551		
Flour.....		306		29,988		13	.153
Grain, all kinds.....		1,896		128,928		13	.153
Hay.....		27		675		13	.181
Mill feed.....		634		25,360		13	.181
Vegetables.....		26		2,600		13	.292
Other vegetable products, except fibers and wood: Hops.....		147	147	117,600	117,900	13	.181
Textiles.....			774		187,522		
Merchandise.....		769		183,022		13	.181
Wool.....		5		4,500		13	.181
Wood and paper.....			745,362		19,258,730		
Logs, rafted.....	538,006			5,918,066		70	.006
Lumber.....	46,398			835,164		13	.213
Manufactures of wood.....		6		720		13	.292
Paper.....		74,825		8,979,000		13	.168
Paper base stock.....	55,042			3,356,520		13	.168
Piling, rafted.....	14,875			95,200		70	.006
Shingles.....		62		2,852		13	.161
Wood, for fuel.....	15,248			71,208		13	.006
Nonmetallic minerals.....			523,870		1,697,697		
Asphalt.....		28		840		13	.181
Brick.....	865			8,910		13	.181
Coal.....		106		1,378		13	.181
Gasoline.....		20		1,660		13	.292
Lime, plaster, and cement.....		7,249		163,102		13	.168
Magnesite.....		98		2,940		13	.153
Oil, crude.....	80,015			1,140,214		13	.006
Sand and gravel.....	432,245			289,604		4	.006
Stone.....	282			189		13	.006
Sulphur.....		2,962		88,560		13	.181
Ores, metals, and manufactures, except machinery and vehicles.....			3,840		435,180		
Iron and steel, all kinds.....	3,516			281,280		13	.181
Pipe, pipe fittings, and plumbing goods.....		324		153,900		13	.181
Machinery and vehicles.....			2,847		926,927		
Agricultural implements and vehicles.....		2		652		13	.323
Machinery, boilers, etc.....		2,843		923,975		13	.323
Automobiles.....		2		2,300			
Chemicals: Alum.....		82	82	6,560	6,560	13	.153
Unclassified.....			4,180		340,300		
Household goods.....		19		7,220		13	.384
Miscellaneous.....		4,161		333,080		13	.181
Total.....	1,187,392	96,656	1,284,048		23,171,611		

The foregoing table includes 552,881 tons of rafted logs and piling, valued at \$6,013,266, towed from points on the Columbia River to booms on the Willamette River, South Portland, Oreg.

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products.....	57	\$13,544
Vegetable food products.....	2,899	187,551
Other vegetable products.....	147	117,600
Textiles.....	774	187,522
Wood and paper.....	745,362	19,258,730
Nonmetallic minerals.....	523,870	1,697,697
Ores, metals, and manufactures.....	3,840	435,180
Machinery and vehicles.....	2,847	925,927
Chemicals.....	82	6,560
Unclassified.....	4,180	340,300
Total.....	1,284,048	23,171,611

General ferry traffic: Statistics not available.

Vessel classification.

Classes.	Number.	Total net registered tonnage.
Inland freight and passenger.....	5	1,557
Inland towing.....	29	5,993
Total.....	34	7,450

Passengers carried, 883.

The usual limits of draft for loaded boats are 5 feet for those operating below Oregon City and 2 feet for those operating above that city.

LEWIS RIVER, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1896.....	2,274	(1)	12,990	(1)	(1)
1897.....	3,881	(1)	15,306	(1)	(1)
1898.....	6,303	(1)	15,938	(1)	(1)
1899.....	23,119	(1)	12,351	7,250	(1)
1900.....	23,265	(1)	14,129	7,250	(1)
1901.....	17,077	(1)	15,532	10,200	(1)
1902.....	40,817	(1)	13,098	1,507	(1)
1903.....	74,706	(1)	13,059	6,850	(1)
1904.....	26,245	\$689,820	13,885	36,168	\$144,672
1905.....	24,154	860,837	29,026	51,724	206,896
1906.....	16,684	466,536	16,614	123,396	493,584
1907.....	19,232	1,091,963	13,869	18,307	87,154
1908.....	17,771	717,232	13,880	98,902	395,608
1909.....	17,784	1,137,920	14,000	159,994	851,164
1910.....	49,965	1,346,545	6,450	95,400	287,600
1911.....	16,507	1,092,290	8,499	38,862	126,300
1912.....	20,497	930,037	2,975	36,747	181,879
1913.....	57,314	1,629,201	7,025	130,102	650,510
1914.....	17,009	1,283,149	4,354	29,202	116,466
1915.....	17,969	1,538,700	6,810	4,556	18,224
1916.....	16,478	1,009,592	5,500	34,516	138,066
1917.....	5,429	443,270	1,536	19,833	118,998
1918.....	16,317	1,727,924	2,881	75,257	564,427
1919.....	19,130	2,784,451	930	14,411	144,110
1920.....	13,676	1,297,074	198	151,794	2,142,128

1 No statistics available.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UP AND DOWN BOUND, INTERNAL.							
Animals and animal products, except wool and hair.....			1,489		\$407,230	<i>Miles.</i>	
Cattle.....		750		\$129,000		38	\$0.160
Dairy products—Milk, cream, butter, eggs, cheese, etc.....		440		187,000		38	.105
Hides.....		11		5,225		38	.095
Horses.....		52		12,480		38	.130
Meats, fresh and cured.....		211		68,575		38	.095
Sheep.....		25		4,950		38	.184
Vegetable food products, oil seeds, expressed oils, and beverages.....			6,095		452,833		
Flour.....		196		19,208		38	.080
Fruit.....		200		20,000		38	.126
Grain, all kinds.....		1,000		68,000		38	.080
Hay.....		89		2,225		38	.095
Mill feed.....		1,960		78,400		38	.080
Vegetables.....		2,650		265,000		38	.080
Textiles.....			1,013		244,404		
Merchandise.....		1,008		239,904		38	.105
Wool.....		5		4,500		38	.105
Wood and paper.....			153,452		2,159,183		
Logs, floated and rafted.....	84,294			927,128		34	.006
Manufactures of wood.....		35		4,200		38	.105
Paper.....		3		360		38	.105
Ties, floated and rafted.....	67,500			1,215,000		38	.008
Shingles.....		120		5,520		38	.052
Wood, for fuel.....	1,500			6,975		38	.017
Nonmetallic minerals.....			2,920		16,764		
Asphalt.....		101		3,030		38	.80
Brick.....	24			247		38	.033
Coal.....		38		494		38	.080
Lime, plaster, and cement.....		500		11,250		38	.080
Sand and gravel.....	1,050			704		38	.006
Sewer pipe and tiling.....	5			175		38	.105
Stone.....	1,200			804		38	.006
Sulphur.....		2		60		38	.080
Ores, metals, and manufactures, except machinery and vehicles.....			107		12,115		
Iron and steel, all kinds.....	98			7,840		38	.080
Pipe, pipe fittings, and plumbing goods.....		9		4,275		38	.080
Machinery and vehicles.....			207		75,613		
Agricultural implements and vehicles.....		88		28,688		38	.105
Machinery, boilers, etc.....		109		35,425		38	.105
Automobiles.....		10		11,500		38	.280
Unclassified: Household goods.....		187	187	71,060	71,060	38	.126
Total.....	155,671	9,799	165,470		3,439,202		

Average boat haul: Logs and ties, 1 mile on Lewis River, 37 miles on Columbia and Willamette Rivers; other traffic, 7 miles on Lewis River, 30 miles on Columbia and Willamette Rivers; total, 38 miles.

The foregoing statement includes 151,794 tons of floated timbers, valued at \$2,142,128.

The logs were floated down the north fork of the river for a distance of about 25 miles to booms located 1 mile from the mouth of the main river, where they were put up in rafts and towed to sawmills on the Columbia and Willamette Rivers.

The ties were floated down the north fork of the river for a distance of about 60 miles and down the east fork for a distance of about 22 miles to the booms near the mouth of the main river, where they were put up in rafts and towed to points on the Columbia River for loading on ships and cars.

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products.....	1,489	\$407,230
Vegetable food products.....	6,095	452,833
Textiles.....	1,013	244,404
Wood and paper.....	153,452	2,159,183
Nonmetallic minerals.....	2,920	16,764
Ores, metals, and manufactures.....	107	12,115
Machinery and vehicles.....	207	75,613
Unclassified.....	187	71,060
Total.....	165,470	3,439,202

General ferry traffic: Statistics not available.

Vessel classification.

Classes.	Number.	Total net registered tonnage.
Inland freight and passenger.....	2	262
Inland towing.....	22	4,665
Total.....	24	4,947

Passengers carried, 198.

The usual limits of drafts for loaded boats are 2½ feet for those operating on the east fork of the river, 4 feet for those operating on the north fork, and 6 feet for those operating near the mouth of the main river.

COWLITZ RIVER, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1893.....	58,238	(1)	35,334	225,000	(1)
1894.....	16,369	(1)	(1)	(1)	(1)
1895.....	12,146	\$172,381	11,106	62,600	\$120,500
1896.....	14,759	(1)	(1)	(1)	(1)
1897.....	17,582	(1)	14,138	45,067	(1)
1898.....	17,794	(1)	15,205	48,262	(1)
1899.....	26,511	(1)	13,890	90,462	(1)
1900.....	15,779	124,755	13,000	134,255	432,816
1901.....	14,211	139,147	12,020	139,147	455,655
1902.....	15,463	(1)	9,760	127,379	(1)
1903.....	41,519	(1)	8,500	179,972	(1)
1904.....	22,120	1,053,020	6,875	164,690	(1)
1905.....	28,646	1,422,260	6,000	289,444	(1)
1906.....	34,549	1,969,320	16,614	360,234	(1)
1907.....	55,628	3,347,094	759	120,986	(1)
1908.....	47,266	1,910,310	(1)	381,511	(1)
1909.....	34,863	1,616,440	(1)	245,798	1,302,656
1910.....	50,999	2,007,733	9,500	293,598	905,642
1911.....	42,339	1,436,046	10,000	251,281	871,470
1912.....	33,817	1,843,013	6,930	351,855	1,727,650
1913.....	31,425	2,133,055	8,600	367,054	1,829,310
1914.....	27,394	1,219,754	16,945	194,542	777,568
1915.....	22,434	698,500	4,795	171,891	675,564
1916.....	39,570	928,140	4,990	558,355	2,223,621
1917.....	18,710	846,173	4,181	292,282	1,748,849
1918.....	13,145	622,735	2,151	388,943	2,007,869
1919.....	28,920	847,720	1,442	226,622	2,244,953
1920.....	6,037	321,400	(1)	213,8-3	2,350,395

¹ No statistics available.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UP AND DOWN BOUND, INTERNAL.							
Animals and animal products, except wool and hair			131		\$32,331	Miles.	
Cattle		23		\$3,956		52	\$0.099
Fish		64		16,640		52	.057
Hides		5		2,375		52	.073
Horses		39		9,360		52	.082
Vegetable food products, oil seeds, expressed oils, and beverages			186		12,186		
Flour		8		784		52	.057
Fruit		3		300		52	.115
Grain, of all kinds		19		1,292		52	.057
Hay		34		850		52	.057
Mill feed		54		2,160		52	.048
Vegetables		68		6,800		52	.057
Textiles: Merchandise		330	330	78,540	78,540	52	.084
Wood and paper			219,141		2,500,385		
Logs, floated and rafted	213,379			2,347,169		52	.006
Lumber	3,395			61,110		52	.057
Manufactures of wood		43		5,160		52	.115
Piling, floated and rafted	504			3,226		52	.006
Shingles		1,820		83,720		52	.038
Nonmetallic minerals			28		606		
Oil, plaster, and cement		25		563		52	.057
Oil, crude	3			43		52	.006
Ores, metals, and manufactures, except machinery and vehicles							
Iron and steel, all kinds	3		3	240	240	52	.057
Machinery and vehicles			58		31,257		
Agricultural implements and vehicles		32		10,432		52	.092
Machinery, boilers, etc		11		3,575		52	.115
Automobiles		15		17,250		52	.304
Unclassified: Household goods		43	43	16,340	16,340	52	.115
Total	217,284	2,636	219,920	2,671,885	2,671,885		

Average boat haul: 6 to 8 miles on Cowlitz River, 44 miles on Columbia and Willamette Rivers; total, 52 miles.

The foregoing statement includes 213,883 tons of logs and piling, valued at \$2,350,395, that were floated down the river for a distance of about 17 miles to booms, located from 6 to 8 miles from its mouth, where they were put up in rafts and towed to points on the Columbia and Willamette Rivers.

General ferry traffic: Statistics not available.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	131	\$32,331
Vegetable food products	186	12,186
Textiles	330	78,540
Wood and paper	219,141	2,500,385
Nonmetallic minerals	28	606
Ores, metals, and manufactures	3	240
Machinery and vehicles	58	31,257
Unclassified	43	16,340
Total	219,920	2,671,885

Vessel classification, 1920.

Classes.	Number.	Total net registered tonnage.
Inland freight and passenger.....	2	423
Inland towing.....	19	4,578
Total.....	21	5,001

Passengers carried, none.

The usual limit of draft for loaded boats operating on the Cowlitz River, is 3 feet.

SKAMOKAWA CREEK, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1918.....	1,408	\$108,139	223	36,000	\$270,000
1919.....	1,535	89,549	600	44,305	443,050
1920.....	1,349	107,406	387	62,374	686,114

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UP AND DOWN BOUND, INTERNAL.							
Animals and animal products, except wool and hair: Dairy products—milk, cream, butter, eggs, cheese, etc.		5	5	\$2, 125	\$2, 125	Miles. 80	\$0. 093
Vegetable food products, oil seeds, expressed oils, and beverages.			522		22, 884		
Flour.		32		3, 136		80	. 06
Grain, all kinds.		1		68		80	. 06
Mill feed.		487		19, 180		80	. 06
Vegetables.		2		200		80	. 07
Textiles: Merchandise.		111	111	26, 418	26, 418	80	. 093
Wood and paper.			62, 685		691, 245		
Logs, floated and rafted.	62, 374			686, 114		80	. 006
Lumber.	276			4, 968		80	. 03
Wood, for fuel.	35			163		80	. 016
Nonmetallic minerals.			136		8, 857		
Brick.	14			144		80	. 06
Coal.		15		195		80	. 06
Gasoline.		101		8, 383		80	. 07
Lime, plaster, and cement.		6		135		80	. 06
Ores, metals, and manufactures, except machinery and vehicles.			28		5, 005		
Iron and steel, all kinds.	21			1, 680		80	. 06
Pipe, pipe fittings, and plumbing goods.		7		3, 325		80	. 06
Machinery and vehicles.			54		20, 026		
Agricultural implements, and vehicles.		1		326		80	. 117
Machinery, boilers, etc.		50		16, 250		80	. 117
Automobiles.		3		3, 450		80	. 106
Unclassified.			182		16, 960		
Household goods.		8		3, 040		80	. 117
Miscellaneous.		174		13, 920		80	. 117
Total.	62, 720	1, 003	63, 723	\$793, 520			

Average boat haul: 1 mile on Skamokawa Creek, 79 miles on Columbia and Willamette Rivers; total, 80 miles.

The foregoing statement includes 62,374 tons of logs, valued at \$686,114, that were floated down the creek for a distance of 4 miles to booms, located about 1 mile above its mouth, where they were put up in rafts and towed to sawmills on the Columbia and Willamette Rivers.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products.....	5	\$2,125
Vegetable food products.....	522	22,884
Textiles.....	111	26,418
Wood and paper.....	62,685	691,245
Nonmetallic minerals.....	136	8,857
Ores, metals, and manufactures.....	28	5,006
Machinery and vehicles.....	54	20,026
Unclassified.....	182	16,960
Total.....	63,723	798,520

General ferry traffic: Statistics not available.

Vessel classification.

Classes.	Number.	Total net registered tonnage.
Inland freight and passenger.....	2	167
Inland towing.....	20	3,336
Total.....	22	3,503

The usual limit of draft for loaded boats operating on Skamokawa Creek is 6 feet.

GRAYS RIVER, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1909.....	3,395	\$96,990	5,000	30,373	\$136,674
1910.....	5,230	150,322	6,000	72,121	219,082
1911.....	2,385	67,139	6,000	133,300	433,400
1912.....	6,202	142,530	8,000	159,924	450,289
1913.....	5,663	181,030	10,819	188,601	942,765
1914.....	13,615	515,728	10,726	129,722	518,608
1915.....	5,636	452,545	10,000	53,782	211,448
1916.....	9,067	636,666	10,000	76,168	304,673
1917.....	8,982	894,524	12,000	22,130	132,780
1918.....	7,284	1,061,817	10,000	38,595	289,462
1919.....	10,216	2,016,997	10,000	40,207	402,070
1920.....	5,112	524,701	8,000	25,134	276,474

[Navigation season: Opened Jan. 1, closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UP AND DOWN BOUND, INTERNAL.							
Animals and animal products, except wool and hair.....			368			Miles.	
Cattle.....		25		\$4,300	\$142,110	26	\$0.32
Dairy products: Milk, cream, butter, eggs, cheese, etc.....		267		113,475		26	.192
Fish.....		2		520		26	.192
Hides.....		2		950		26	.192
Hogs.....		4		1,360		26	.384
Horses.....		7		1,680		26	.320
Meats, fresh and cured.....		61		19,825		26	.207
Vegetable food products, oilseeds, expressed oils, and beverages.....			463		25,749		
Flour.....		62		6,076		26	.134
Fruit.....		23		2,300		26	.134
Grain, all kinds.....		6		408		26	.134
Hay.....		77		1,925		26	.153
Mill feed.....		241		9,640		26	.134
Vegetables.....		54		5,400		26	.134
Textiles Merchandise.....		596	596	141,848	141,848	26	.134
Wood and paper.....			27,981		406,436		
Logs, rafted.....	25,134			276,474		70	.006
Lumber.....	82			1,476		26	.134
Manufactures of wood.....		2		240		26	.230
Paper.....		2		240		26	.134
Shingles.....		2,761		127,006		26	.073
Nonmetallic minerals.....			640		9,850		
Brick.....	123			1,267		26	.192
Coal.....		38		494		26	.134
Lime, plaster, and cement.....		255		5,738		26	.134
Oil, crude.....	61			869		26	.006
Sand and gravel.....	123			82		26	.006
Sewer pipe and tiling.....	40			1,400		26	.215
Ores, metals, and manufactures, except machinery and vehicles.....			80		17,065		
Iron and steel, all kinds.....	53			4,240		26	.184
Pipe, pipe fittings, and plumbing goods.....		27		12,825		26	.207
Machinery and vehicles.....			65		48,377		
Agricultural implements and vehicles.....		27		8,802		26	.207
Machinery, boilers, etc.....		5		1,625		26	.207
Automobiles.....		33		37,950		26	.207
Unclassified.....			53		10,740		
Household goods.....		25		8,500		26	.207
Miscellaneous.....		28		2,240		26	.134
Total.....	25,616	4,630	30,246		801,175		

Average boat haul: Logs, 2 miles on Grays River, 68 miles on Columbia River; other traffic, 8 miles on Grays River, 18 miles on Columbia River.

The foregoing statement includes 25,134 tons of logs, valued at \$276,474, unloaded from cars to booms located from one-half to three miles above the mouth of the river, where they were put up in rafts and towed to sawmills on the Columbia River.

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products.....	368	\$142, 110
Vegetable food products.....	463	25, 749
Textiles.....	596	141, 848
Wood and paper.....	27, 981	405, 436
Nonmetallic minerals.....	640	9, 850
Ores, metals, and manufactures.....	80	17, 065
Machinery and vehicles.....	65	48, 377
Unclassified.....	53	10, 740
Total.....	30, 246	801, 175

General ferry traffic: Statistics not available.

Vessel classification.

Classes.	Number.	Total net registered tonnage.
Inland freight and passenger.....	1	64
Inland towing.....	18	3, 254
Total.....	19	3, 318

Passengers carried, 8,000.

The usual limit of draft, for a loaded boat operating on Grays River, is 4½ feet.

CANAL AND LOCKS AT WILLAMETTE FALLS, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1910.....	9, 557	\$949, 815	7, 129	1, 650	\$5, 532
1911.....	11, 760	1, 079, 533	8, 058	1, 498	5, 390
1912.....	10, 244	749, 299	7, 128	507	2, 530
1913.....	6, 117	673, 906	9, 189	410	2, 019
1914.....	5, 214	207, 359	6, 004	309	1, 016
1915.....	59, 656	3, 296, 068	13, 261	2, 913	10, 234
1916.....	169, 369	8, 391, 181	7, 956	5, 764	19, 249
1917.....	80, 766	7, 646, 099	4, 499	24, 188	124, 548
1918.....	89, 916	6, 334, 724	923	25, 903	170, 816
1919.....	118, 741	9, 855, 813	1, 467	16, 856	123, 060
1920.....	145, 982	11, 974, 759	833	24, 625	202, 450

1308 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
UP AND DOWN ROUND, INTERNAL.					
Animals and animal products, except wool and hair.....			51		\$11,594
Cattle.....		12		\$2,061	
Horses.....		37		8,880	
Meats, fresh and cured.....		2		650	
Vegetable food products, oil seeds, ex- pressed oils, and beverages.....			2,887		187,351
Flour.....		306		29,988	
Grain, all kinds.....	1,986			128,928	
Hay.....	27			675	
Mill feed.....	634			25,380	
Vegetables.....	24			2,400	
Other vegetable products, except fibers and wood: Hops.....		147	147	117,600	117,600
Textiles.....			774		187,322
Merchandise.....		769		183,022	
Wool.....		5		4,500	
Wood and paper.....			129,320		9,797,026
Logs, rafted.....	9,750			107,250	
Lumber.....	7,506			135,108	
Manufactures of wood.....		6		720	
Paper.....		74,538		8,941,550	
Paper base stock.....	7,337			440,220	
Piling, rafted.....	14,875			95,200	
Shingles.....		60		2,760	
Wood, for fuel.....	18,248			71,208	
Nonmetallic minerals.....			26,756		274,494
Asphalt.....		11		320	
Brick.....	865			8,910	
Coal.....		90		1,170	
Gasoline.....		20		1,690	
Lime, plaster, and cement.....		7,249		163,102	
Oil, crude.....	2			29	
Sand and gravel.....	15,275			10,234	
Stone.....	292			199	
Sulphur.....		2,962		88,960	
Ores, metals, and manufactures, except machinery and vehicles.....			3,635		337,905
Iron and steel, all kinds.....	3,616			281,290	
Pipe, pipe fittings, and plumbing goods.....		119		56,525	
Machinery and vehicles.....			2,845		924,627
Agricultural implements, and vehicles.....		2		652	
Machinery, boilers, etc.....		2,843		923,975	
Chemicals: Alum.....		2	24	2,300	
Unclassified.....		24		1,920	1,920
Household goods.....		5	4,168	1,900	337,280
Miscellaneous.....		4,161		333,080	
Total.....	74,656	95,951	170,607		12,177,209

The foregoing statement includes 24,625 tons of rafted logs and piling, valued at \$202,450.

Number of lockages.....	2,154
Total net registered vessel tonnage through locks.....	693,700
Passengers.....	833

YAMHILL LOCK, YAMHILL RIVER, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timbers.	
				Tons.	Value.
1900.....	162	(1)	1,011	(1)	(1)
1901.....	1,580	(1)	999	(1)	(1)
1902.....	2,338	(1)	1,199	117	(1)
1903.....	1,037	(1)	284	710	(1)
1904.....	354	(1)	26	2,003	(1)
1905.....	616	(1)	44	3,493	(1)
1906.....	664	(1)	281	3,763	(1)
1907.....	438	(1)	170	2,484	(1)
1908.....	346	(1)	80	1,959	(1)
1909.....	147	(1)	375	839	(1)
1910.....	56	(1)	263	320	(1)
1911.....	10	(1)	123	60	(1)
1912.....	58	(1)	327	328	(1)
1913.....	98	(1)	322	558	(1)
1914.....	197	\$867	113	1,117	\$4,910
1915.....	525	20,171	191	114	456
1916.....	630	40,964	64	(1)	(1)
1917.....	934	58,097	17	1,098	5,342
1918.....	168	8,399	3	595	3,862
1919.....	34	2,890	4	190	1,900
1920.....	2	160		300	3,300

¹ No statistics available.

[Navigation season: Opened Jan. 1, closed Dec. 31.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
UP AND DOWN BOUND, INTERNAL.					
Wood and paper: Logs.....	300		300	\$3,300	\$3,300
Unclassified: Miscellaneous.....		2	2	160	160
Total.....	300	2	302	3,460	3,460

Number of lockages..... 13
 Total net registered vessel tonnage through lock..... 26

SEATTLE, WASH., DISTRICT.

WALLAPA RIVER AND HARBOR, WASH.

Comparative statement of traffic.

Year.	Total. ¹		Floated timbers.	Passengers.
	Tons.	Value.		
			<i>Tons.</i>	
1896.....	27,542	\$351,175		(²)
1897.....	37,815	313,163		(²)
1898.....	32,399	374,050		(²)
1899.....	51,150	755,682		(²)
1900.....	42,090	266,080		10,199
1901.....	39,538	229,686		(²)
1902.....	51,999	402,050		(²)
1903.....	74,475	446,800		(²)
1904.....	73,808	389,377		(²)
1905.....	76,713	456,213		(²)
1906.....	116,717	1,290,434		16,411
1907.....	183,801	1,847,810		(²)
1908.....	214,812	2,347,253		(²)
1909.....	433,513	3,109,173	215,842	(²)
1910.....	496,516	4,190,410	259,003	(²)
1911.....	743,681	4,597,654	433,202	21,917
1912.....	766,416	5,077,565	439,354	22,412
1913.....	602,883	5,705,787	403,418	(²)
1914.....	669,619	3,790,284	452,702	(²)
1915.....	370,415	2,117,857	252,744	(²)
1916.....	605,331	3,599,303	451,463	(²)
1917.....	567,510	3,713,171	400,697	17,672
1918.....	471,525	4,180,349	368,320	23,419
1919.....	451,490	5,317,014	348,796	24,125
1920.....	522,003	6,146,143	381,976	19,498

¹ These totals include floated timber where stated. They do not include Government materials used in works of improvement.

² Not reported.

³ Does not include 6,350 tons, value \$572,000, carried by car ferry.

⁴ Value, \$2,498,456, included in total tons and value.

[Navigation season, continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper.....		4,768		\$114,109
Lath.....	226		\$3,316	
Lumber.....	4,542		110,844	
Total.....		4,768		114,109

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Unclassified: General merchandise		800	800	\$153,600	\$153,600	Miles.	
SHIPMENTS, COASTWISE.							
Wood and paper			132,313		2,858,780		
Lath		4,694		85,087		1,010	\$0.00885
Lumber	122,017			2,585,639		1,010	.00885
Shingles		5,602		190,204			
Total	122,017	10,296	132,313		2,858,780		
Total receipts and shipments, coastwise	122,017	11,096	133,113		3,012,380		
RECEIPTS AND SHIPMENTS, INTERNAL.							
Animals and animal products			976		280,009		
Clams, fresh		36		1,625		15	.233
Crabs, fresh		476		76,160		25	.16
Fish, fresh		26		4,004		25	.16
Meats, canned		47		23,500		20	.2
Meats, fresh		7		1,440		20	.2
Oysters, fresh		96		13,440		25	.16
Packing-house products		288		159,840		20	.2
Vegetable food products			601		51,229		
Berries, fresh		60		3,440		35	.114
Flour, feed, and grain		202		20,963		25	.16
Fruit and vegetables		111		9,324		25	.16
Hay		96		2,592		20	.2
Sugar		42		14,910		20	.2
Other vegetable products: Naval stores		29	29	7,250	7,250	25	.16
Wood and paper			382,210		2,512,788		
Box shooks		169		12,384		25	.16
Logs, floated	381,976			2,498,456			
Lumber		51		1,360		20	.275
Shingles		14		588		20	.2
Nonmetallic minerals			120		27,907		
Coal		58		1,160		25	.16
Oils		26		26,000		20	.2
Salt		36		747		25	.16
Machinery and vehicles			92		88,120		
Automobiles		66		79,200			
Machinery		26		8,920		25	.16
Unclassified: Household goods		94	94	52,300	52,300	25	.28
Total	381,976	2,146	384,122		3,019,603		

CAR FERRY.

Commodities.	Amounts in short tons.	Value.
Miscellaneous	5,400	\$768,000
Shingles	950	104,000
Total	6,350	872,000

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Foreign ex-ports.		Domestic.				Total.	
			Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products.....					976	\$280,009	976	\$280,009
Vegetable food products.....					601	51,229	601	51,229
Other vegetable products.....					29	7,250	29	7,250
Wood and paper.....	4,768	\$114,160	132,313	\$2,858,780	382,210	\$2,512,788	519,291	5,485,728
Nonmetallic minerals.....					120	27,907	120	27,907
Machinery and vehicles.....					92	88,120	92	88,120
Unclassified.....			800	153,600	94	52,300	894	205,900
Total.....	4,768	114,160	133,113	3,012,380	384,122	3,019,603	522,003	6,146,143

Car ferry, short tons, 6,350; value, \$872,000.

Vessel classification

Class.	Number of vessels.		Arrivals.	Departures.	Total net registered tonnage.	Passengers.
	American.	Foreign.				
Registered:						
Steamers.....	21		100	100	111,480	19,403
Sailing.....	3	1	4	4	4,734	
Totals.....	24	1	104	104	116,214	19,403

Maximum draft.....feet.. 22.5

Cargo carried on various drafts:

20 to 24 feet.....per cent.. 36.5

15 to 19 feet.....per cent.. 63.5

INTERNAL.

There are two steamers and numerous small launches engaged in local passenger and freight business. Their maximum draft is 9 feet.

The number of passengers carried was 18,683. Two steam tugs and eight gasoline launches are used regularly for towing logs. The total number of rafts towed was 1,047

GRAYS HARBOR AND BAR ENTRANCE, WASH.

Comparative statement of traffic.

Year.	Tons. ¹	Value.	Passengers.	Year.	Tons. ¹	Value.	Passengers.
1996.....	110,748	\$629,677	(*)	1909.....	527,220	\$4,802,333	(*)
1997.....	150,908	1,071,747	204	1910.....	671,336	6,016,752	(*)
1998.....	168,468	1,252,089	(*)	1911.....	710,844	6,092,836	2,880
1999.....	265,918	1,979,998	275	1912.....	757,636	6,389,186	3,184
1900.....	259,692	2,077,037	424	1913.....	666,593	5,890,475	3,913
1901.....	299,607	1,877,800	3,774	1914.....	729,527	5,729,508	(*)
1902.....	527,047	3,601,163	782	1915.....	502,410	5,907,545	(*)
1903.....	458,268	4,073,333	3,774	1916.....	484,687	6,413,900	(*)
1904.....	495,495	4,200,784	(*)	1917.....	455,957	5,950,631	(*)
1905.....	579,759	5,552,216	4,289	1918.....	373,123	5,792,943	(*)
1906.....	614,854	7,735,954	(*)	1919.....	433,299	9,536,038	(*)
1907.....	747,725	8,862,687	5,607	1920.....	625,437	14,429,471	(*)
1908.....	827,154	7,421,311	(*)				

¹ Tonnage does not include any floated timber, nor Government materials used in works improvement

* Not reported.

[Navigation season: Continuous.]

Freight traffic.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber and lumber products.....	56,664	56,664	\$1,167,628	\$1,167,628

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile.
	By commodities.		By classes.	Value.			
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products:						Miles.	Cents.
Fish, canned.....		99	99	\$29,700	\$29,700	75	0.2
Vegetable food products.....			3,839		1,047,671		
Canned goods.....		696		175,392		600	.9
Coffee.....		110		51,810		600	.9
Fruit, dried.....		43		5,074		600	.9
Fruit and vegetables.....		767		130,390		600	.9
Grape juice.....		434		49,910		600	.9
Sugar.....		1,789		635,095		600	.9
Other vegetable products.....			407		279,008		
Rubber goods.....		148		75,773		600	.9
Tobacco.....		259		203,315		600	.9
Wood and paper.....			96		13,298		
Building paper.....		86		3,698		600	.9
Hardwood.....		10		9,600		600	.9
Nonmetallic minerals.....			21,234		423,884		
Cement.....		50		1,050		600	.9
Oil, fuel.....	19,327			289,905			
Oil, lubricating.....		1,135		87,962		600	.9
Oil, refined.....		600		42,600			
Salt.....		122		2,367		600	.9
Ores, metals, and manufactures.....			430		98,866		
Iron and steel.....		163		9,454		600	.9
Wire rope.....		267		89,412		600	.9
Unclassified: Miscellaneous merchandise.....		1,092	1,092	209,664	209,664	600	.9
Total.....	19,327	7,870	27,197		2,102,091		
SHIPMENTS, COASTWISE.							
Wood and paper: Lumber and lumber products.....	541,576		541,576	11,159,752	11,159,752		
Total receipts and shipments, coastwise.....	560,903	7,870	568,773		13,261,843		

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....			99	\$29,700	99	\$29,700
Vegetable food products.....			3,839	1,047,671	3,839	1,047,671
Other vegetable products.....			407	279,008	407	279,008
Wood and paper.....	56,664	\$1,167,628	541,672	11,173,050	598,336	12,340,678
Nonmetallic minerals.....			21,234	423,884	21,234	423,884
Ores, metals, and manufactures.....			430	98,866	430	98,866
Unclassified.....			1,092	209,664	1,092	209,664
Total.....	56,664	1,167,628	568,773	13,261,843	625,437	14,429,471

Vessel classification, 1920.

Class.	Number of vessels.		Arrivals.	Departures.	Net registered tonnage.
	American.	Foreign.			
Steamers.....	63	1	378	378	425,146
Sailing.....	18	.....	21	21	31,078
Barges.....	1	.....	4	4	14,532
Motor vessels.....	1	.....	12	12	300
Total.....	83	1	415	415	481,414

Maximum draft, 22 feet.

Number of vessels with loaded draft between 19 and 22 feet, 403.

Number of vessels with loaded draft between 15 and 18 feet, 31.

Number of vessels with loaded draft of 4 feet, 12.

Remainder of vessels were light.

GRAYS HARBOR (INNER PORTION) BETWEEN ABERDEEN AND THE
ENTRANCE TO SAID HARBOR AND CHEHALIS RIVER, WASH.

Comparative statement of traffic.

Year.	Tons. ¹	Value.	Floated timbers.	Passengers.
			<i>Tons.</i>	
1896.....	2,561	\$246,498	.....	(²)
1898.....	2,730	293,610	.....	49,930
1899.....	2,232	352,316	.....	18,812
1900.....	4,376	132,157	.....	31,067
1901.....	5,706	200,364	.....	13,475
1902.....	3,529	157,332	.....	32,080
1903.....	4,972	139,151	.....	57,390
1904.....	548,575	2,601,623	542,938	54,436
1905.....	730,103	3,920,030	712,908	92,768
1906.....	842,423	5,854,491	830,356	107,399
1907.....	832,914	7,079,161	823,500	19,730
1908.....	862,809	6,249,424	824,865	(²)
1909.....	666,081	6,619,052	471,065	(²)
1910.....	784,772	4,692,330	700,269	(²)
1911.....	1,283,068	5,017,797	1,045,580	25,920
1912.....	1,326,736	5,760,497	1,063,560	(²)
1913.....	1,052,301	4,275,568	966,600	(²)
1914.....	933,257	3,802,143	842,300	(²)
1915.....	768,341	2,970,564	709,500	(²)
1916 ³	1,298,790	11,232,622	742,000	(²)
1917 ⁴	1,227,437	10,304,961	720,000	(²)
1918 ⁴	1,332,000	12,254,554	909,413	(²)
1919 ⁴	1,960,801	22,798,637	1,442,672	.....
1920 ⁴	1,671,922	13,829,012	1,482,793	.....

¹ Tonnage includes floated timber where stated, valued at \$13,345,137 in 1920. It does not include Government materials where used in works of improvement.

² Not reported.

³ 1916 to 1919 includes foreign and coastwise traffic, which are the same as reported under Grays Harbor and Bar Entrance, as all traffic passing over the bar uses the inner harbor. The other totals include internal traffic only.

⁴ Exclusive of traffic credited at Grays Harbor and Bar Entrance, viz, 625,437 tons, valued at \$14,429,471.

[Navigation season: Continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
INTERNAL.				
Animals and animal products.....		1,028		\$253,344
Crabs, fresh.....	216		\$131,544	
Fish, fresh.....	812		124,800	
Wood and paper.....		1,485,213		13,400,737
Logs, floated.....	1,482,793		13,345,137	
Lumber.....	2,420		55,600	
Nonmetallic minerals: Sand and gravel.....	185,681	185,681	171,931	171,931
Total.....	1,671,922	1,671,922		13,826,012

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products.....	1,028	\$253,344
Wood and paper.....	1,485,213	13,400,737
Nonmetallic minerals.....	185,681	171,931
Total.....	1,671,922	13,826,012

Vessel classification.

Foreign and coastwise vessels are the same as reported under Grays Harbor and Bar Entrance, as all vessels passing over the bar use the inner harbor.

No regular freight or passenger boats operate on the harbor or tributaries. The freight, other than logs, is carried on scows and small launches. The loaded draft of scows varies from 5 to 8 feet. There are 16 tugboats on the harbor; the maximum draft is 12 feet.

HOQUIAM RIVER, WASH.

Comparative statement of traffic.

Year.	Tons. ¹	Value.	Floated timbers.
1918.....	401,384	\$4,084,966	<i>Tons.</i> 305,330
1919.....	558,537	6,320,295	425,632
1920.....	643,250	6,916,413	481,200

¹ Tonnage includes floated timber; value, \$3,849,600 in 1920. It does not include Government materials used in works of improvement.

1316 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

[Navigation season: Continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber and lumber products.....	10,814	10,814	\$222,768	\$222,768

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
COASTWISE RECEIPTS.						
Vegetable food products.....			2,011		\$659,161	Miles.
Canned goods.....		652		\$164,304		
Coffee.....		107		50,397		
Sugar.....		1,252		444,460		
Other vegetable products.....			146		114,065	
Rubber goods.....		2		1,024		
Tobacco.....		144		113,041		
Wood and paper: Hardwood.....		10	10	960	960	
Ores, metals and manufactures: Wire rope.....		267	267	89,412	89,412	
Unclassified: Miscellaneous merchandise.....		7	7	1,344	1,344	
Total.....		2,441	2,441		864,942	
COASTWISE SHIPMENTS.						
Wood and paper: Lumber and lumber products.....	87,717		87,717	1,919,774	1,919,774	
Total receipts and shipments, coastwise.....	87,717	2,441	90,158		2,784,716	
INTERNAL RECEIPTS AND SHIPMENTS.						
Wood and paper: Logs, floated.....	481,200		481,200	3,849,600	3,849,600	6
Nonmetallic minerals: Sand and gravel.....	61,078		61,078	59,329	59,329	10
Total.....	542,278		542,278		3,908,929	

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products.....			2,011	\$659,161			2,011	\$659,161
Other vegetable products.....			146	114,065			146	114,065
Wood and paper.....	10,814	\$222,768	87,727	1,920,734	481,200	\$3,849,600	579,741	5,993,102
Nonmetallic minerals.....					61,078	59,329	61,078	59,329
Ores, metals and manufactures.....			267	89,412			267	89,412
Unclassified.....			7	1,344			7	1,344
Total.....	10,814	222,768	90,158	2,784,716	542,278	3,908,929	643,250	6,916,413

Vessel classification, 1920.

COASTWISE.

Class.	Ameri- can.	Arrivals.	Depart- ures.	Net reg- istered tonnage.	Loaded draft.
Steamers.....	19	74	74	68,078	} Fed. 16-21
Sailing.....	9	10	10	11,878	

Traffic carried on various drafts: 20 to 21 feet, 10 per cent; 16 to 19 feet, 90 per cent.

Twelve towboats and numerous launches operate on the river; the maximum draft is 11 feet.

PUGET SOUND AND ITS TRIBUTARY WATERS, WASH.

Comparative statement of traffic.

Year.	Tons. ¹	Value.	Floated timbers.	Passen- gers.	Year.	Tons. ¹	Value.	Floated timbers.	Passen- gers.
			<i>Tons.</i>					<i>Tons.</i>	
1897.....	11,922	(²)		24,803	1909.....	143,770	1,250,634	99,622	(³)
1898.....	12,676	\$539,406		29,860	1910.....	183,447	1,417,780	171,580	(³)
1899.....	13,500	577,588		31,860	1911.....	91,884	1,237,729	51,807	(³)
1900.....	35,096	1,324,926		35,369	1912.....	126,285	1,945,979	85,922	(³)
1901.....	30,155	1,499,420		45,916	1913.....	105,329	1,084,813	65,725	(³)
1902.....	61,794	2,324,980		38,575	1914.....	113,990	815,039	84,835	(³)
1903.....	94,274	3,193,458		(³)	1915.....	55,057	543,161	27,236	(³)
1904.....	92,465	1,790,823		(³)	1916.....	85,114	881,554	58,214	(³)
1905.....	86,412	1,817,048		(³)	1917.....	148,575	1,674,191	112,552	(³)
1906.....	167,197	1,898,057		(³)	1918 ¹	29,232	848,588	22,884	(³)
1907.....	124,336	3,011,146		(³)	1919 ¹	80,437	3,163,815	68,686	(³)
1908.....	44,992	1,659,930		(³)	1920 ¹	80,640	1,547,594	66,014	(³)

¹ Tonnage includes floated timber where stated, valued at \$511,400 in 1920. Does not include Govern-ment materials used in works of improvement.

² No statistics available.

³ Stillaguamish River only; other tributaries given under their own names.

Statistics have been taken each year only for the waterways, not otherwise under improvement, on which the snag boat did any considerable work; the statistics are therefore incomplete and no proper comparison can be made.

[Navigation season: Continuous.]

(Stillaguamish River, Wash.)

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
EXPORTS.				
Wood and paper: Lumber.....	2,065	2,065	\$45,444	\$45,444

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
INTERNAL RECEIPTS AND SHIPMENTS.							
Animals and animal products.....			125		\$37,892	<i>Miles.</i> <i>Cents.</i>	
Eggs, fresh.....		34		\$27,800		80..... 2.4.....	
Hides.....		66		2,592		80..... 4.4.....	
Live stock.....		25		7,500			
Vegetable food products.....			860		54,840		
Flour and feed.....		747		45,350		80..... 2.5.....	
Fruit, fresh.....		113		9,490		80..... 25.....	
Wood and paper.....			75,194		734,968		
Lath.....		6		225			
Logs, floated.....	66,014			511,400		10..... 1.77.....	
Lumber.....	9,174			223,343			
Machinery and vehicles.....			83		214,450		
Agricultural implements.....		27		14,450		80..... 18.7.....	
Machinery.....		56		200,000		..... 7.5.....
Unclassified: Miscellaneous merchandise.....		2,313	2,313	460,000	460,000	80..... 3.7.....	
Total.....	75,188	3,387	78,575		1,502,150		

SUMMARY.

STILAGUAMISH RIVER, WASH.

Classes of commodities.	Foreign, exports.		Domestic, intraport.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....			125	\$37,892	125	\$37,892
Vegetable food products.....			860	54,840	860	54,840
Wood and paper.....	2,065	\$45,444	75,194	734,968	77,259	790,412
Machinery and vehicles.....			83	214,450	83	214,450
Unclassified.....			2,313	460,000	2,313	460,000
Total.....	2,065	45,444	78,575	1,502,150	80,640	1,647,594

Vessel classification.

Class.	Number of vessels (American).	Arrivals.	Departures.	Net registered tonnage.	Passengers.
Registered:					
Steamers.....	7	208	208	114,932	
Barges.....	5	21	21	4,336	
Gasoline launches.....		175	175		113
Unregistered: Rafts.....		74			
Total.....	12	378	304	119,258	113

¹ Estimated.

Maximum draft, 6 feet; minimum draft, 1 foot.

WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WASH.

Comparative statement of traffic.

Year.	Tons. ¹	Value.	Floated timbers.	Passengers.
			<i>Tons.</i>	
1915.....	65,272	\$510,906	57,126	3,619
1916.....	69,441	738,804	63,978	(²)
1917.....	106,408	1,384,382	81,773	(²)
1918.....	137,076	2,684,110	61,128	26,652
1919.....	60,924	1,677,371	37,284	(²)
1920.....	33,574	963,475	28,686	6,851

¹ Tonnage includes floated timber; valued at \$239,033 in 1920. Does not include Government materials used in works of improvement.

² Not reported.

Decrease in commerce for 1920 due to business depression in territory served by steamer lines passing through canal.

[Navigation season: Continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
INTERNAL RECEIPTS AND SHIPMENTS.					Miles.		
Animals and animal products.....			445	\$130,727			
Dairy products.....		41		\$18,573			
Fish, fresh.....		201		30,864			
Live stock.....		203		81,200			
Vegetable food products: Grain.....		210	210	15,057	15,057		
Wood and paper: Logs, floated.....	28,686		28,686	239,033	239,033		
Nonmetallic minerals: Coal.....	1,400		1,400	14,000	14,000	35	
Machinery and vehicles: Machinery.....		105	105	32,550	32,550		
Chemicals: Explosives.....		45	45	16,972	16,972		
Unclassified: Miscellaneous merchandise.....		2,683	2,683	515,136	515,136		
Total.....	30,086	3,488	33,574	963,475			

SUMMARY.

Classes of commodities.	Tons.	Value.
Animal and animal products.....	445	\$130,727
Vegetable food products.....	210	15,057
Wood and paper.....	28,686	239,033
Nonmetallic minerals.....	1,400	14,000
Machinery and vehicles.....	105	32,550
Chemicals.....	45	16,972
Unclassified.....	2,683	515,136
Total.....	33,574	963,475

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
INTERNAL RECEIPTS AND SHIPMENTS.							
Animals and animal products.....			125		\$37,892	<i>Miles.</i>	<i>Cents.</i>
Eggs, fresh.....		34			\$27,800	80	9.4
Hides.....		66			2,592	80	4.4
Live stock.....		25			7,500		
Vegetable food products.....			860		54,840		
Flour and feed.....		747			45,350	80	2.5
Fruit, fresh.....		113			9,490	80	25
Wood and paper.....			75,194		734,968		
Lath.....		6			225		
Logs, floated.....	66,014				511,400	10	1.77
Lumber.....	9,174				223,343		
Machinery and vehicles.....			83		214,450		
Agricultural implements.....		27			14,450	80	19.7
Machinery.....		56			200,000		7.5
Unclassified: Miscellaneous merchandise.....		2,313	2,313	460,000	460,000	80	3.7
Total.....	75,188	3,387	78,575		1,502,150		

SUMMARY.

STILAGUAMISH RIVER, WASH.

Classes of commodities.	Foreign, exports.		Domestic, intraport.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....			125	\$37,892	125	\$37,892
Vegetable food products.....			860	54,840	860	54,840
Wood and paper.....	2,065	\$45,444	75,194	734,968	77,259	780,412
Machinery and vehicles.....			83	214,450	83	214,450
Unclassified.....			2,313	460,000	2,313	460,000
Total.....	2,065	45,444	78,575	1,502,150	80,640	1,547,504

Vessel classification.

Class.	Number of vessels (American).	Arrivals.	Departures.	Net registered tonnage.	Passengers.
Registered:					
Steamers.....	7	208	208	114,932	
Barges.....	5	21	21	4,336	
Gasoline launches.....		175	175		113
Unregistered: Rafts.....		74			
Total.....	12	378	304	119,268	113

1 Estimated.

Maximum draft, 6 feet; minimum draft, 1 foot.

WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WASH.

Comparative statement of traffic.

Year.	Tons. ¹	Value.	Floated timbers.	Passengers.
			<i>Tons.</i>	
1915.....	65,273	\$510,906	57,126	3,619
1916.....	69,441	738,804	63,978	(2)
1917.....	106,408	1,384,382	81,773	(2)
1918.....	137,076	2,684,110	61,128	26,652
1919.....	60,924	1,677,371	37,234	(2)
1920.....	33,574	963,475	28,686	6,851

¹ Tonnage includes floated timber; valued at \$239,033 in 1920. Does not include Government materials used in works of improvement.

² Not reported.

Decrease in commerce for 1920 due to business depression in territory served by steamer lines passing through canal.

[Navigation season: Continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.	
	By commodities.		By classes.	By commodities.			By classes.
	Bulk.	Package.					
INTERNAL RECEIPTS AND SHIPMENTS.							
Animals and animal products.....			445		\$130,727	Miles.	
Dairy products.....		41		\$18,573			
Fish, fresh.....		201		30,864			
Live stock.....		203		81,200			
Vegetable food products: Grain.....		210	210	15,057	15,057		
Wood and paper: Logs, floated.....	28,686		28,686	239,033	239,033		
Nonmetallic minerals: Coal.....	1,400		1,400	14,000	14,000	35	
Machinery and vehicles: Machinery.....		105	105	32,550	32,550		
Chemicals: Explosives.....		45	45	16,972	16,972		
Unclassified: Miscellaneous merchandise.....		2,683	2,683	515,136	515,136		
Total.....	30,086	3,488	33,574		963,475		

SUMMARY.

Classes of commodities.	Tons.	Value.
Animal and animal products.....	445	\$130,727
Vegetable food products.....	210	15,057
Wood and paper.....	28,686	239,033
Nonmetallic minerals.....	1,400	14,000
Machinery and vehicles.....	105	32,550
Chemicals.....	45	16,972
Unclassified.....	2,683	515,136
Total.....	33,574	963,475

Vessel classification.

Class.	Ameri- can.	Trips.	Regis- tered tonnage.	Draft.	Passen- gers.
Steamers.....	11	468	72,022	<i>Feet.</i> 6-12	6,755
Motor tugs.....	3	64	1,512	3-8	96
Barges.....	10	32	10,030	2-6	.....
Total.....	24	564	83,564	.....	6,851

PORT GAMBLE HARBOR, WASH.

Comparative statement of traffic.

Year.	Tons. ¹	Value. ¹	Floated timbers.	Car ferry.
1918.....	126,204	\$1,292,038	<i>Tons.</i> 76,095	<i>Tons.</i> (²)
1919.....	95,483	1,642,098	54,476	(²)
1920.....	136,633	1,464,715	103,139	20,062

¹ Includes floated timbers; valued at \$717,155 in 1920. Excludes car ferry traffic. Does not include any Government materials used in works of improvement.

² No report.

No report as to passengers.

[Navigation season: Continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
EXPORTS.				
Wood and paper: Lumber.....	2,990	2,990	\$60,750	\$60,750

No imports.

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
COASTWISE RECEIPTS.					
Wood and paper.....			101,602		\$730,807
Piles.....	4,327			\$35,892	
Spars.....	79			2,650	
Logs, floated.....	97,196			692,265	
Total.....	101,602		101,602		730,807
COASTWISE SHIPMENTS.					
Wood and paper.....			30,180		460,352
Lumber.....	19,989			399,783	
Lath.....		1,936		19,368	
Piles.....	2,255			12,885	
Spars.....	57			3,431	
Logs, floated.....	5,943			24,890	
Unclassified: Miscellaneous merchandise.....	350		350	56,875	56,875
Total.....	28,894	1,936	30,530		517,227
Total receipts and shipments, coast- wise.....	130,196	1,936	132,132		1,248,034
INTERNAL RECEIPTS AND SHIPMENTS.					
Animals and animal products: Meats, fresh.....		35	35	15,750	15,750
Vegetable food products.....			561		35,130
Fruit and vegetables.....		46		2,530	
Flour, feed, and grain.....		400		15,000	
Hay.....		60		1,650	
Sugar.....		55		15,950	
Nonmetallic minerals: Cement.....		125	125	1,992	1,992
Unclassified: Miscellaneous merchandise.....		990	990	94,050	94,050
Total.....		1,711	1,711		146,922

CAR FERRY.

Commodities.	Short tons.	Value.
Lumber.....	18,121	\$362,412
Lath.....	1,887	18,872
Wood.....	74	230
Total.....	20,082	381,514

SUMMARY.

Classes and commodities.	Foreign ex- ports.		Domestic.				Total.	
	Tons.	Value.	Coastwise.		Other domes- tic.		Tons.	Value.
			Tons.	Value.	Tons.	Value.		
Animals and animal products.....					35	\$15,750	35	\$15,750
Vegetable food products.....					561	35,130	561	35,130
Wood and paper.....	2,990	\$69,759	131,782	\$1,191,159			134,772	1,260,918
Nonmetallic minerals.....					125	1,992	125	1,992
Unclassified.....			350	56,875	990	94,050	1,340	150,925
Total.....	2,990	69,759	132,132	1,248,034	1,711	146,922	136,833	1,464,715

Car ferry, 20,082 tons; value, \$381,514.

Vessel classification, 1920.

Class.	Number of vessels.		Arrivals.	Departures.	Net registered tonnage.	Draft.
	American.	Foreign.				
Steamers.....	407	.....	407	407	129,406	<i>Feet.</i> 4-24
Sailing.....	1	.....	1	1	3,930	(1)
Unrigged.....	50	.....	50	50	20,500	24-28
Total.....	458	.....	458	458	162,836	.....

¹ Not reported.

Passengers not reported.

OLYMPIA HARBOR, WASH.

Comparative statement of traffic.

Year.	Tons. ¹	Value.	Floated timbers.	Passengers.
			<i>Tons.</i>	
1896.....	36,096	\$191,300	.....	(2)
1897.....	29,800	440,900	.....	(2)
1898.....	52,335	1,203,226	.....	(2)
1899.....	42,694	1,173,684	.....	(2)
1900.....	35,466	848,703	.....	57,515
1901.....	44,559	951,435	.....	69,029
1902.....	47,263	1,153,125	.....	(2)
1903.....	40,333	341,635	.....	(2)
1904.....	20,152	356,450	.....	(2)
1905.....	62,804	2,069,289	.....	(2)
1906.....	82,024	2,363,433	.....	(2)
1907.....	244,171	3,855,515	.....	(2)
1908.....	138,140	3,180,652	.....	(2)
1909.....	116,195	1,611,387	104,764	(2)
1910.....	31,053	212,346	23,850	(2)
1911.....	48,275	339,972	24,849	(2)
1912.....	248,384	4,529,073	129,877	(2)
1913.....	247,775	2,711,044	165,991	88,063
1914.....	201,504	985,404	126,472	(2)
1915.....	271,406	2,832,987	188,102	67,800
1916.....	367,920	2,927,264	291,862	(2)
1917.....	283,472	2,977,113	214,430	(2)
1918.....	433,396	3,898,513	403,642	4,903
1919.....	204,805	2,688,094	182,024	2,622
1920.....	346,633	3,377,226	292,199	(2)

¹ Includes floated timbers where stated, valued at \$2,047,214 in 1920; does not include Government materials used in works of improvement.² Not reported.

[Navigation season: Continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities	By classes.		
INTERNAL RECEIPTS AND SHIPMENTS.							
Animals and animal products.			1, 124		\$263, 006	Miles.	
Butter.....		11		\$11, 000			
Eggs.....		78		59, 280			
Fish, canned.....		13		3, 900			
Hides.....		15		3, 200			
Live stock.....		35		14, 000			
Meat, fresh.....		14		4, 480			
Milk, canned.....		22		4, 466			
Oysters.....		936		162, 680			
Vegetable food products.			268		37, 498		
Flour, feed, grain.....		98		6, 958			
Fruit and vegetables.....		110		9, 240			
Sugar.....		60		21, 300			
Wood and paper.....			297, 606		2, 237, 605		
Logs, floated.....	292, 199			2, 047, 214		30	\$0.0075
Lumber.....	5, 380			188, 195		40	.015
Paper.....		27		2, 196			
Nonmetallic minerals.....			45, 740		423, 439		
Coal.....		503		5, 030			
Gasoline.....	2, 108			124, 912			
Oil, fuel.....	14, 380			215, 700			
Oil, lubricating.....		549		42, 547			
Sand, gravel.....	28, 200			35, 250			
Machinery and vehicles: Machinery.....		566	566	164, 140	164, 140		
Unclassified: Miscellaneous merchandise.....		1, 329	1, 329	251, 538	251, 538		
Total.....	342, 267	4, 366	346, 633		3, 377, 226		

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products.....	1, 124	\$263, 006
Vegetable food products.....	268	37, 498
Wood and paper.....	297, 606	2, 237, 605
Nonmetallic minerals.....	45, 740	423, 439
Machinery and vehicles.....	566	164, 140
Unclassified.....	1, 329	251, 538
Total.....	346, 633	3, 377, 226

Vessel classification.

Class.	Number of vessels American.	Arrivals.	Departures.	Net registered tonnage.	Draft.
					Feet.
Steam freight vessels.....	4	65	65	21, 416	5-6
Motor freight vessels.....	9	447	447	29, 252	4-12
Steam tugs.....	7	458	458	25, 520	7-12
Motor tugs.....	4	243	242	30, 046	3-7
Barges.....		86	86	42, 456	2-6
Total.....	24	1, 299	1, 298	148, 688	

TACOMA HARBOR, WASH.

Comparative statement of traffic.

Year.	Tons. ¹	Value.	Floated timbers.	Year.	Tons. ¹	Value.	Floated timbers.
			<i>Tons.</i>				<i>Tons.</i>
1903.....	1,715,085	\$58,153,945	261,363	1912.....	1,070,200	\$35,683,136	.....
1904.....	1,561,074	53,726,772	426,806	1913.....	1,494,100	74,225,034	.....
1905.....	1,844,338	65,613,183	480,320	1914.....	1,434,168	64,710,679	164,100
1906.....	1,600,390	51,573,522	285,270	1915.....	1,587,847	94,251,610	243,463
1907.....	1,855,466	55,621,281	260,318	1916.....	2,761,624	212,369,619	849,456
1908.....	1,443,614	46,128,955	176,635	1917.....	2,912,530	270,244,460	842,994
1909.....	1,097,938	35,554,496	170,454	1918.....	2,865,871	321,240,629	775,491
1910.....	1,299,206	61,315,442	.....	1919.....	2,660,512	246,674,849	837,902
1911.....	854,709	54,376,049	.....	1920.....	2,705,217	206,863,633	934,223

¹ Includes floated timber where stated, valued at \$6,942,664, in 1920; does not include Government materials used in works of improvement.

Passengers carried in 1920, 500,000 (estimated); no report on previous years.

The total commerce for 1920 as given is correct, but the following division into foreign, coastwise, and internal is approximate only.

[Navigation season: Continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products.....		3,312		\$1,265,938
Casings.....	12		\$3,500	
Catgut.....	2		3,800	
Eggs, dried.....	260		127,150	
Eggs, fro en.....	632		218,620	
Fish, fresh and canned.....	1,440		175,690	
Isinglass.....	3		30,000	
Skins, dog.....	46		58,240	
Skins, goat.....	754		535,140	
Skins, lamb.....	3		4,500	
Skins, marmot.....	29		61,400	
Skins, raw.....	10		25,673	
Slippers.....	19		1,835	
Tallow.....	102		20,400	
Vegetable food products.....		35,717		10,196,225
Cocoa.....	20		8,000	
Copra.....	1,640		238,294	
Maize.....	41		2,665	
Oil, coconut.....	17,908		5,533,265	
Oil, olive.....	8		7,500	
Oil, peanut.....	291		80,700	
Oil, soya-bean.....	7,054		2,064,060	
Peanuts.....	314		74,578	
Peanuts, shelled.....	1,244		300,894	
Rice.....	2,194		433,947	
Sake.....	57		5,640	
Soy.....	21		932	
Spices.....	113		36,450	
Tapioca.....	28		7,200	
Tea.....	4,754		1,381,500	
Wine.....	30		20,000	
Other vegetable products.....		3,490		4,433,576
Cycus leaves.....	166		41,915	
Camphor.....	111		218,550	
Fans, palm leaf.....	168		35,650	
Fibers, dried.....	160		49,065	
Lily bulbs.....	64		8,850	
Pyrethrum flowers.....	104		280,173	
Rape seed.....	49		7,350	
Rubber.....	2,668		3,812,023	

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Textiles.		22,753		\$19,382,333
Braid	3,432		\$4,010,608	
Carpets	8		3,700	
Cotton goods	1,429		1,522,114	
Flax	64		28,892	
Jute cloth	245		158,400	
Hair	17		18,700	
Hats	309		142,980	
Hemp	507		243,067	
Linen	2		1,900	
Matting	14,958		2,324,183	
Ramie yarn	2		550	
Ropings	360		59,331	
Shoya	46		8,059	
Silk goods	396		1,533,931	
Silk, raw	318		7,268,427	
Silk, waste	657		2,055,951	
Willow sheets	3		1,560	
Wood and paper.		52,957		9,311,191
Bamboo	5,220		751,845	
Basket ware	3,152		219,939	
Furniture	688		40,332	
Wood oil	16,101		5,813,838	
Lumber	590		8,200	
Paper and articles of paper	19,583		1,788,788	
Paper, news print	2,762		217,256	
Wood pulp	4,523		427,492	
Rattans	21		2,519	
Screens, wood	22		4,150	
Woodenware	285		36,832	
Nonmetallic minerals.		35,631		2,263,122
Chinaware	135		23,400	
Coal	17,276		66,724	
Porcelain	18,215		2,162,133	
Watch crystals	5		10,565	
Ores, metals, and manufactures.		82,636		10,226,906
Aluminum ware	6		3,503	
Antimony	307		220,890	
Bronze ware	94		26,050	
Ores, copper, etc.	81,240		8,367,720	
Lanterns	153		13,675	
Tin slabs	836		1,565,100	
Chemicals.		5,195		396,837
Menthol	26		50,448	
Fire crackers	30		789	
Nitrates	5,139		345,600	
Unclassified.		28,635		5,027,654
Artificial flowers	129		141,010	
Beads	312		321,487	
Bristles	26		106,350	
Brushes	754		778,195	
Buttons	101		142,192	
Fans	179		20,700	
Feathers	23		14,350	
Incense	45		6,918	
Junk	291		5,900	
Matches	210		23,570	
Toys and curios	14,017		1,382,580	
Umbrellas	78		19,323	
Miscellaneous	12,440		2,065,010	
Total.		270,326		62,503,781
EXPORTS.				
Animals and animal products.		5,475		399,577
Salmon, canned	896		236,069	
Fish, cured	4,579		163,508	
Vegetable food products.		246,715		25,986,752
Apples	323		40,372	
Canned goods	15		3,040	
Coffee	13		5,000	
Coffee substitute	47		5,510	
Barley	53		3,840	
Corn	271		17,614	

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Vegetable food products—Continued.				
Feed.....	2,240		\$132,160	
Wheat.....	62,532		5,120,016	
Flour.....	181,200		20,656,800	
Macaroni.....	17		2,400	
Other vegetable products.		6,973		\$3,545,250
Cigarettes.....	6,235		2,315,580	
Tobacco.....	738		1,230,670	
Textiles.		17,869		12,836,418
Cotton.....	17,235		12,907,899	
Cotton goods.....	631		924,892	
Hair.....	3		3,627	
Wood and paper.		69,617		1,812,572
Excelsior.....	150		3,000	
Furniture.....	420		35,700	
Logs.....	4,400		40,333	
Lumber and lumber products.....	60,593		1,272,453	
Paper and articles of paper.....	2,854		355,486	
Wood pulp.....	1,200		105,600	
Nonmetallic minerals.		78,449		747,554
Carbon.....	199		47,618	
Coal.....	77,402		619,933	
Glass.....	124		8,064	
Marble, cut.....	29		2,875	
Gypsum.....	355		5,188	
Wax, paraffin.....	340		63,856	
Ores, metals, and manufactures.		86,686		15,521,187
Copper ingots.....	24,852		9,735,806	
Iron and steel.....	57,420		5,094,193	
Manganese.....	13		780	
Spelter.....	28		4,034	
Tin.....	332		38,360	
Tin plate.....	4,388		615,679	
Zinc.....	152		42,333	
Machinery and vehicles.		8,956		4,800,536
Automobiles.....	496		465,947	
Auto chassis.....	259		189,305	
Auto parts.....	133		120,133	
Bicycles.....	3		3,858	
Launches.....	22		6,238	
Cash registers.....	22		73,020	
Locomotives.....	18		9,150	
Machinery.....	4,212		1,735,344	
Machines, electric.....	750		323,283	
Machines, sewing.....	3,045		1,923,458	
Motor cycles.....	6		10,800	
Chemicals.		14,660		1,866,664
Acetate of lime.....	2,805		140,755	
Ammonia.....	531		51,152	
Ammonia, nitrates and sulphates.....	1,848		196,546	
Arsenic.....	375		66,493	
Explosives.....	1,968		744,163	
Fertilizers.....	25		3,026	
Nitrates.....	651		44,666	
Opium.....	20		211,367	
Soda caustic.....	4,940		363,948	
Soda sulphate.....	1,467		54,548	
Unclassified.		4,775		1,060,941
Miscellaneous merchandise.....	4,732		1,005,148	
Photographers' material.....	12		20,949	
Pianos.....	31		23,944	
Total.		540,175		69,627,551
Total imports and exports.		810,501		132,131,332

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
COASTWISE, RECEIPTS.					
Animals and animal products.			7,068		\$891,616
Fish, canned.		3,358		\$312,683	
Leather.		1		1,000	
Oil, whale.		3,238		390,939	
Skins, fur.		9		25,960	
Hides.		73		93,469	
Salmon, canned.		103		27,500	
Tallow.		102		20,400	
Whalebone.		45		5,625	
Whale meat.		129		14,040	
Vegetable food products.			7,602		1,309,445
Beans.		1,878		222,944	
Beet pulp.		121		7,780	
Carrots.		822		103,100	
Coffee.		53		24,300	
Barley.		699		36,450	
Corn.		100		7,000	
Corn meal.		160		9,600	
Marmalade.		57		10,850	
Molasses.		46		718	
Oil, cottonseed.		242		73,780	
Peas.		507		79,300	
Peas, dried.		508		64,897	
Pineapple.		422		130,936	
Provisions.		582		116,260	
Starch, potato.		879		211,170	
Walnuts.		128		51,200	
Walnuts, shelled.		398		159,200	
Other vegetable products.			1,421		1,365,141
Cigars.		456		279,701	
Electric goods.		17		2,990	
Tobacco.		948		1,082,450	
Textiles.			219		147,060
Carpets.		8		3,700	
Dry goods.		135		131,150	
Shades.		76		12,200	
Nonmetallic minerals.			134,736		3,668,931
Asphalt.		1,650		34,500	
Brick, fire.	128			3,000	
Cement.		177		4,869	
Crockery.		815		88,205	
Electric-light bulbs.		14		2,632	
Flasks.		192		57,076	
Glassware.		154		67,868	
Gypsum.		8,536		61,200	
Marble.		3,081		96,610	
Mirrors.		1		200	
Oil, fuel.	83,324			1,068,394	
Oil, gasoline.	30,619			1,978,203	
Oil, refined.		5,479		194,724	
Salt.		566		11,450	
Ores, metals and manufactures.			223,042		23,077,612
Clocks.		4		2,000	
Containers, empty.		161		20,334	
Lamps, metal.		73		24,580	
Iron and steel.		603		42,552	
Knives.		2		6,100	
Metal ware.		35		12,000	
Needles.		6		5,920	
Ores, copper, etc.	222,130			22,879,390	
Quicksilver.		28		84,676	
Machinery and vehicles: Machinery.		1,355	1,355	883,547	883,547
Chemicals.			11,994		1,508,065
Celluloid goods.		93		45,400	
Combs, celluloid.		2		3,240	
Drugs and chemicals.		2		1,200	
Explosives.		1,499		602,539	
Fertilizers.		1,962		137,445	
Glycerine.		372		133,427	
Nitrate of ammonia.		958		178,188	
Nitrate of soda.		6,926		388,026	
Paint.		59		11,100	
Soda ash.		121		7,500	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
COASTWISE, RECEIPTS—continued.					
Unclassified.....			6,547		\$1,348,744
Miscellaneous merchandise.....		6,140		\$1,019,240	
Instruments, musical.....		396		305,947	
Instruments, surgical.....		11		23,557	
Total.....	336,201	57,773	393,974		34,200,151
COASTWISE, SHIPMENTS.					
Animals and animal products.....			701		219,978
Bones.....		222		30,429	
Milk, canned.....		100		17,111	
Dairy products.....		85		80,483	
Lard.....		17		6,480	
Leather.....		20		48,180	
Tallow.....		257		37,295	
Vegetable food products.....			53,076		5,509,799
Beans.....		30		3,000	
Carrots.....		81		13,800	
Confectionery.....		20		10,000	
Feed.....	14,190			805,702	
Flour.....	37,000			4,218,000	
Oats.....	729			50,933	
Oils, coconut, etc.....	4			1,911	
Peanuts.....	48			10,500	
Provisions.....	272			73,228	
Rice.....	604			273,450	
Root senega.....	5			21,240	
Sake.....	7			2,740	
Starch.....	50			3,490	
Sirup.....	6			1,000	
Wine.....	30			20,805	
Other vegetable products: Tar.....	70		70	2,418	2,418
Textiles.....			29		6,547
Bags, jute.....	16			949	
Oakum.....	8			2,100	
Rope.....	5			3,498	
Wood and paper.....			238,137		5,449,809
Furniture.....		1,105		93,095	
Lumber, lumber products.....	232,370			4,857,939	
Paper, and articles of paper.....	2,040			252,960	
Pulp.....	2,622			245,815	
Nonmetallic minerals.....			1,410		63,722
Crockery.....		5		881	
Fire brick.....		163		9,476	
Lime.....		201		4,012	
Oil, fuel.....		810		11,379	
Oil, lubricating.....		175		37,474	
Pebbles, flint.....		56		500	
Ores, metals, and manufactures.....			12,624		3,707,312
Copper.....	8,437			3,374,800	
Hardware.....		50		28,556	
Iron and steel.....	2,718			242,902	
Metal containers, empty.....	1,419			61,054	
Machinery and vehicles: Machinery.....	6,223		6,223	2,568,780	2,568,780
Chemicals.....			3,107		1,194,956
Creosote.....		10		825	
Drugs and chemicals.....		31		58,905	
Explosives.....	2,996			1,116,244	
Paint.....	42			17,511	
Soda ash.....	28			1,600	
Unclassified: Miscellaneous merchandise.....	9,465		9,465	\$1,810,531	1,810,531
Total.....	240,807	81,035	321,842		20,533,654
Total, receipts and shipments.....	577,008	141,808	718,816		54,734,006

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
INTERNAL, RECEIPTS.					
Animals and animal products			489		\$13,360
Eggs		13		\$2,000	
Shells, oyster		476		11,360	
Vegetable food products			2,084		130,280
Feed		1,450		82,960	
* Flour		130		14,900	
Oats		412		28,700	
Hay		92		3,680	
Wood and paper			934,223		6,942,664
Logs, floated	934,181			6,941,614	
Pilinr, creosote floated	42			1,050	
Nonmetallic minerals			130,505		101,225
Brick	1,777			8,885	
Lime		836		16,235	
Sand and gravel	127,892			76,105	
Unclassified: Miscellaneous merchandise		38,867	38,867	5,350,450	5,350,450
Total	1,063,852	42,276	1,106,168		12,537,979
INTERNAL, SHIPMENTS.					
Animals and animal products: Live stock		167	167	77,950	77,950
Vegetable food products			21,761		1,805,126
Hay		1,791		64,635	
Flour		8,807		1,081,874	
Feed		11,163		658,617	
Wood and paper: Lumber	10,000		10,000	210,000	210,000
Nonmetallic minerals: Lime and plaster		202	202	4,859	4,859
Ores, metals and manufactures: Copper ingots	2,000		2,000	800,000	800,000
Unclassified: Miscellaneous merchandise		35,602	35,602	4,592,382	4,592,382
Total	12,000	57,732	69,732		7,490,317
Total, receipts and shipments, internal	1,075,892	100,008	1,175,900		20,028,296

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	3,312	\$1,265,938	5,475	\$399,577
Vegetable food products	35,717	10,196,225	246,715	25,966,752
Other vegetable products	3,490	4,433,576	6,973	3,546,250
Textiles	22,753	19,382,333	17,869	13,836,418
Wood and paper	52,957	9,311,191	69,617	1,812,572
Nonmetallic minerals	35,631	2,263,122	78,449	747,554
Ores, metals and manufactures	82,636	10,226,905	86,686	15,521,187
Machinery and vehicles			8,956	4,860,536
Chemicals	5,195	396,837	14,660	1,866,664
Unclassified	28,635	5,027,654	4,775	1,050,041
Total	270,326	62,503,781	540,175	69,627,551

Freight traffic—Continued.

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	7,759	\$1,111,594	656	\$91,310	17,202	\$2,868,419
Vegetable food products.....	60,678	6,819,244	23,845	1,935,406	366,955	44,937,627
Other vegetable products.....	1,491	1,367,559			11,964	9,347,385
Textiles.....	1,248	1,158,597			40,870	32,372,348
Wood and paper.....	238,137	5,449,809	944,223	7,152,664	1,304,934	22,726,236
Nonmetallic minerals.....	136,146	3,732,653	180,707	106,084	380,933	6,849,413
Ores, metals and manufactures.....	235,666	26,784,924	2,000	800,000	406,968	53,333,016
Machinery and vehicles.....	7,578	3,452,327			16,534	8,312,963
Chemicals.....	15,101	2,708,023			34,956	4,906,524
Unclassified.....	16,012	3,159,276	74,469	9,942,832	122,891	19,179,892
Total.....	718,816	54,734,005	1,175,900	20,028,296	2,705,217	206,893,633

Vessel classification.

Vessels.	Arrivals.	Departures.	Net registered tonnage.	Loaded drafts.
Offshore and coastwise.....	1,326	1,326	3,206,032	<i>Feet.</i> (1)
Internal.....	11,815	11,815	4,740,146	4-12
Total.....	13,141	13,141	7,946,178	.....

¹ Offshore vessels, 20 to 32 feet; Coastwise vessels, 12 to 20 feet.

SEATTLE HARBOR, WASH.

Comparative statement of traffic.

Year.	Total. ¹		Floated Timbers.	Passengers.
	Tons.	Value.		
1914.....	3,162,625	\$157,465,293	<i>Tons.</i> 702,351	7,151,279
1915.....	4,161,511	268,614,390	706,684	3,323,438
1916.....	4,359,476	409,968,905	299,078	2,985,031
1917.....	4,850,627	599,590,955	435,621	3,579,498
1918.....	9,947,917	792,120,561	346,864	4,702,336
1919.....	5,496,677	749,969,957	336,621	4,742,115
1920.....	5,227,586	588,023,197	435,605	4,960,675

¹ These totals include floated timber, in 1920, valued at \$3,960,199. They do not include government materials used in works of improvement.

[Navigation season, continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Animals and animal products		31,474		\$13,562,679
Butter	324		833,028	
Casings	54		186,874	
Cheese	2		1,744	
Clams, canned	4		1,029	
Cod fish	238		75,066	
Crabs, canned	689		562,158	
Eggs, fresh	290		97,416	
Eggs, dried	841		766,405	
Eggs, frozen	5,117		1,751,862	
Fish, canned	2,096		435,672	
Fish, dried	30		6,066	
Fish, fresh	1,440		341,145	
Fish, salt	12,502		828,204	
Furs and skins	1,741		5,405,650	
Gelatine	25		26,981	
Hides	382		183,073	
Leather	33		1,017,035	
Live stock	79		27,107	
Meat	30		6,517	
Oil, fish	1,134		204,479	
Provisions	3,547		672,193	
Poultry, frozen	18		10,313	
Seed oysters	60		5,801	
Shoes	502		456,664	
Tallow	296		108,907	
Vegetable food products		162,907		40,007,947
Almonds	19		17,564	
Beans	14,070		1,318,876	
Bean cake	7,575		298,115	
Beverages	113		111,049	
Bran	138		11,254	
Buckwheat	836		44,365	
Canned goods	34		59,569	
Castor beans	754		95,812	
Coconut	400		104,915	
Coffee	398		141,109	
Confectionery	10		7,252	
Copra	6,933		665,712	
Currants	51		15,635	
Edibles	52		60,540	
Feed	60		3,960	
Flour	2,790		287,234	
Fruit	249		27,749	
Ginger	70		17,050	
Groceries	207		35,019	
Honey	11		2,744	
Jams	866		108,690	
Nut meats	3		1,451	
Maize	6,576		335,430	
Marrons	2		2,496	
Mushrooms	1		2,844	
Mustard, ground	3		3,771	
Oats	496		21,712	
Onions	192		12,148	
Oranges	219		16,877	
Olives	45		32,918	
Oil, olive	43		30,638	
Oil, vegetable	208		74,206	
Oil, coconut	1,050		331,124	
Oil, cottonseed	1,581		379,568	
Oil, hempseed	176		47,641	
Oil, peanut	29,319		10,670,952	
Oil, perilla	1,781		870,114	
Oil, rape seed	3,777		1,173,739	
Oil, sesame seed	187		74,307	
Oil, soya bean	34,767		9,165,346	
Peas	1,514		177,530	
Peanuts	1,449		264,902	
Peanuts shelled	25,296		5,905,740	
Pineapples, preserved	39		9,790	
Potatoes	604		62,400	
Raisins	42		16,420	

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Vegetable food products—Continued.				
Rice.....	2,469		\$379,544	
Sugar.....	5,063		1,357,941	
Tea.....	6,206		4,110,588	
Tapioca.....	238		31,140	
Walnuts.....	1,845		835,350	
Wheat.....	2,072		127,077	
Wine.....	8		48,000	
Other vegetable products.		17,041		\$9,835,084
Agar agar.....	10		29,323	
Auto tires.....	1		5,002	
Beer.....	45		5,622	
Betel nuts.....	15		1,595	
Bulbs.....	865		316,098	
Camphor.....	589		1,553,461	
Cassia bark.....	24		7,742	
Cycus leaves.....	11		19,008	
Gum.....	45		17,063	
Hempseed.....	1,502		125,456	
Holly.....	6		4,042	
Linseed.....	2,633		244,746	
Potato starch.....	1,683		109,017	
Pyrethrum flowers.....	164		376,610	
Rubber.....	5,904		6,300,800	
Seeds.....	3,428		677,761	
Tobacco.....	116		141,750	
Textiles.		50,486		149,845,991
Burlap.....	41		6,462	
Braid.....	1,966		3,278,317	
Clothing.....	14		26,205	
Cotton goods.....	714		2,276,785	
Cotton, raw.....	369		157,243	
Dry goods.....	17		55,879	
Fish nets.....	4		11,459	
Flax.....	18		9,876	
Flax products.....	1,092		657,820	
Hair.....	60		44,323	
Hats.....	97		353,071	
Hemp.....	115		19,045	
Jute.....	190		23,519	
Jute cloth.....	14,465		4,885,267	
Kapoc.....	5		2,846	
Linen goods.....	9		92,924	
Linoleum.....	40		21,862	
Matting.....	19,757		5,680,071	
Rags.....	18		6,670	
Rope.....	32		13,145	
Silk goods.....	1,267		18,248,602	
Silk, raw.....	8,948		113,661,724	
Twine.....	3		5,487	
Wool.....	245		307,249	
Wood and paper.		86,430		11,946,802
Bamboo.....	1,078		286,715	
Baskets.....	850		548,471	
Furniture.....	3,836		475,289	
Logs.....	474		17,615	
Lath.....	431		6,600	
Lumber.....	2,796		181,905	
Paper.....	44,218		4,742,234	
Paper products.....	362		292,306	
Rattan.....	3,716		543,716	
Railroad ties.....	175		20,000	
Stationery.....	27		10,638	
Wood oil.....	9,107		2,992,740	
Wood products.....	788		419,017	
Wood pulp.....	18,572		1,409,646	
Nonmetallic minerals.		213,152		6,052,445
Asphalt.....	23		402	
Cement.....	1,776		28,034	
Coal.....	193,183		1,660,832	
Earthenware.....	8		2,090	
Flint pebbles.....	1,400		20,180	
Fire brick.....	778		7,865	
Fullers Earth.....	83		1,142	
Gasoline.....	112		5,387	

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Nonmetallic minerals—Continued.				
Glass, window	48		\$25, 889	
Glassware	422		572, 321	
Lime and lime rock	5, 040		102, 472	
Kaolin	2, 710		130, 572	
Oil, lubricating	299		26, 889	
Paraffin wax	109		26, 510	
Plate glass	89		162, 283	
Porcelain	7, 064		3, 277, 758	
Tiling	8		1, 828	
Ores, metals, and manufactures		13, 074		\$2, 915, 881
Antimony	399		44, 510	
Copper	1, 261		607, 555	
Concentrates	17		34, 400	
Coin			6, 600	
Containers, empty	308		71, 697	
Hardware	106		33, 850	
Iron ore	1, 250		5, 000	
Iron, pig	2, 132		92, 035	
Iron rails	676		19, 465	
Junk	2, 926		54, 275	
Nails	182		34, 966	
Ore	80		109, 429	
Steel and iron	1, 155		434, 663	
Tin	1, 515		1, 319, 628	
Tin cans	1, 042		42, 752	
Wire	20		2, 476	
Wire rope	5		2, 580	
Machinery and vehicles		715		249, 752
Automobiles	27		43, 775	
Automobile parts	4		7, 376	
Machinery	684		198, 601	
Chemicals		19, 623		1, 990, 889
Ammonia sulphate	356		40, 310	
Caffeine			27, 000	
Creosote	9, 940		465, 289	
Dextrine	90		13, 140	
Drugs and chemicals	173		380, 882	
Dye stuff	10		13, 308	
Fertilizer	1, 454		123, 697	
Fireworks	451		40, 722	
Gas	29		1, 324	
Menthol	55		362, 722	
Muriate of potash	114		12, 280	
Paint	70		9, 413	
Saltpeter	1		2, 500	
Soda nitrate	6, 688		463, 753	
Sulphate quinia	1		22, 750	
Sulphate of copper	11		1, 624	
Sulphate of potash	17		1, 285	
Sulphuric acid	100		4, 100	
Whiting	63		4, 800	
Unclassified		2, 406		4, 604, 624
Beads	120		676, 792	
Bristles	21		77, 118	
Brushes	535		1, 000, 498	
Buttons	101		456, 558	
Cat gut	6		18, 610	
Fans	113		83, 525	
Feathers	61		49, 777	
Films	1		30, 650	
Household goods	683		293, 654	
Matches	19		23, 227	
Miscellaneous	630		1, 650, 124	
Musical instruments	98		192, 392	
Notions	18		51, 696	
Total		97, 597, 306		241, 112, 184

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Animals and animal products		33,065		\$7,505,488
Bones	687		\$78,792	
Boots and shoes	48		106,250	
Butter	135		137,562	
Casings	13		5,068	
Cheese	26		18,932	
Eggs, dried	1		3,700	
Eggs, fresh	144		87,543	
Eggs, frozen	78		45,468	
Fish, canned	21,008		3,674,193	
Fish, fresh	241		133,529	
Fish, salt	1,475		87,589	
Furs	3		49,113	
Fats and grease	79		21,242	
Glue	13		2,613	
Honey	44		7,351	
Hides	314		194,853	
Lard	197		83,721	
Leather	445		558,274	
Live stock	255		68,068	
Meat	1,331		447,299	
Milk, canned	4,880		1,460,985	
Milk, powder	24		5,100	
Provisions	304		73,525	
Silkworm eggs	1		2,200	
Tallow	200		30,951	
Whalebone	25		11,700	
Whale meat	150		20,000	
Whale oil	944		179,800	
Vegetable food products		99,880		11,251,099
Apples	2,119		176,946	
Beans and peas	3,260		363,915	
Beverages	9		4,182	
Bran	70		2,870	
Canned goods	354		47,470	
Castor beans	39		7,845	
Cereals	270		33,602	
Chocolate	14		2,955	
Cocanut	53		3,434	
Coffee	63		2,391	
Copra	188		8,142	
Corn	749		53,254	
Feed	54		3,340	
Flour	40,036		4,632,185	
Fruit, dried	2,257		415,761	
Fruit, fresh	1,204		133,223	
Grapefruit	124		22,211	
Groceries	962		125,380	
Hay	1,030		29,261	
Lemons	460		66,058	
Macaroni	62		9,173	
Nuts	154		20,850	
Oats	27		3,210	
Oil, cottonseed	10		3,571	
Oil, olive	10		32,105	
Oil, soya bean	262		45,728	
Onions	96		7,306	
Oranges	527		90,252	
Peanuts	2,476		224,998	
Pepper	13		4,580	
Pickles	4		1,525	
Potatoes	566		13,521	
Raisins	913		333,463	
Rice	2,882		567,670	
Soya beans	256		13,185	
Sugar	508		172,035	
Sirup	57		6,073	
Tapioca	5		420	
Tea	35		21,931	
Vegetables	2,834		169,288	
Walnuts	139		81,376	
Wheat	34,507		3,130,265	
Yeast	212		164,149	

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Other vegetable products.....		4,498		\$2,681,470
Automobile tires.....	158		\$195,274	
Cassara bark.....	27		7,490	
Cigarettes.....	378		473,023	
Electrical supplies, rubber.....	556		412,069	
Hops.....	249		285,316	
Linseed.....	503		62,994	
Nursery stock.....	76		15,078	
Potato starch.....	648		42,686	
Rosin.....	76		13,114	
Rubber and rubber goods.....	966		269,724	
Seeds.....	218		120,138	
Tar.....	13		919	
Tobacco.....	481		753,162	
Turpentine.....	149		30,503	
Textiles.....		56,523		45,053,801
Burlap.....	1,949		754,244	
Clothing.....	142		330,498	
Cordage.....	115		70,049	
Cotton, good.....	41		08,664	
Cotton, raw.....	50,860		42,230,913	
Cotton sheeting.....	99		172,023	
Cotton yarn.....	309		498,165	
Dry goods.....	289		430,386	
Hats.....	1		2,484	
Hair.....	2		2,750	
Hemp.....	405		127,122	
Hessian cloth.....	342		145,959	
Kapoc.....	20		11,838	
Oakum.....	13		4,401	
Rags.....	635		79,205	
Sacks.....	1,300		120,900	
Twine.....	1		4,200	
Wood and paper.....		229,706		8,129,365
Barrel stock.....	1,233		56,563	
Box shooks.....	10,502		737,248	
Cedar bolts.....	175		31,208	
Furniture.....	406		129,953	
Logs.....	1,002		39,739	
Lumber.....	187,118		4,951,380	
Newspapers.....	16		4,067	
Paper.....	3,017		622,521	
Pencil stock.....	171		41,706	
Piling.....	9,746		114,381	
Rattan.....	15		8,697	
Sashes and doors.....	57		12,083	
Stationery.....	2,398		350,433	
Ties.....	2,528		57,924	
Wood oil.....	17		6,247	
Wood products.....	1,269		113,543	
Wood pulp.....	10,036		842,672	
Nonmetallic minerals.....		22,525		900,600
Asbestos products.....	7		2,196	
Asphalt.....	272		10,054	
Cement.....	180		4,279	
Coal.....	3,292		20,862	
Flint pebbles.....	129		3,732	
Gasoline.....	318		17,883	
Glass, window.....	904		198,276	
Glassware crockery.....	450		139,505	
Gypsum.....	30		4,500	
Lime and plaster.....	934		19,544	
Marble chips.....	27		488	
Mirrors.....	11		10,000	
Oil, fuel.....	9,709		106,277	
Oil, lubricating.....	1,103		88,165	
Oil, miscellaneous.....	816		53,608	
Paraffin wax.....	1,191		187,961	
Porcelain.....	46		22,723	
Salt.....	3,505		49,940	
Sand.....	47		3,735	
Sulphur.....	2		2,500	
Tiling.....	52		4,392	

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Ores, metals, and manufactures.....		332,480		\$48,862,498
Brass.....	82		\$24,720	
Bullion.....	194		849,357	
Coin.....			16,117,328	
Containers, empty.....	123		7,441	
Copper.....	17,022		6,669,168	
Hardware.....	13,05		1,112,076	
Iron and steel.....	250,290		18,305,011	
Lead.....	142		21,489	
Nails.....	14,402		1,611,719	
Ore.....	43		19,589	
Steel plates.....	2,335		173,498	
Steel scrap.....	3,639		120,890	
Silver.....	25		1,075,218	
Tin plate.....	9,285		1,507,333	
Tin scrap.....	5,740		368,105	
Wire.....	15,209		1,711,933	
Wire rope.....	153		46,133	
Zinc.....	731		131,520	
Machinery and vehicles.....		15,380		6,651,998
Automobiles.....	956		848,178	
Automobile parts.....	646		512,583	
Bicycles.....	10		11,360	
Car wheels.....	887		79,593	
Locomotives.....	409		85,143	
Machinery.....	11,932		4,778,359	
Sewing machines.....	482		290,591	
Trucks, motor.....	33		29,738	
Tractors.....	25		16,441	
Chemicals.....		15,975		1,900,173
Ammonia.....	51		58,201	
Ammonia sulphate.....	3,106		309,066	
Arsenic.....	336		65,673	
Baking powder.....	2		2,591	
Benzol.....	22		9,603	
Calcium acetate.....	2,330		138,655	
Camphor.....	5		32,000	
Caustic soda.....	5,577		426,840	
Chloride of lime.....	292		23,209	
Drugs and chemicals.....	542		256,097	
Dyestuffs.....	27		65,999	
Explosives.....	154		133,649	
Fertilizers.....	902		92,024	
Gas.....	15		10,176	
Ink.....	4		16,700	
Naphthol.....	1		1,400	
Paint.....	1,019		117,336	
Phenol.....	20		5,000	
Silicate of soda.....	23		1,150	
Soap.....	243		55,081	
Soda ash.....	147		7,839	
Soda nitrate.....	962		118,214	
Sodium sulphate.....	172		5,945	
Varnish.....	1		1,194	
White lead.....	22		6,541	
Unclassified.....		3,075		2,236,424
Films.....	2		24,659	
Household goods.....	521		103,252	
Matches.....	8		8,640	
Miscellaneous.....	2,285		1,752,726	
Musical instruments.....	20		17,189	
Notions.....	233		315,241	
Pianos.....	6		4,717	
Total.....		813,107		135,312,994
Total imports and exports.....		1,410,415		376,425,088

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products.....			61,070		\$27,682,792
Cod, dried and salt.....		753		\$110,023	
Cod, fresh.....	981	143		94,194	
Clams, canned.....		126		34,239	
Butter.....		564		598,400	
Boots and shoes.....		124		201,612	
Cheese.....		25		14,000	
Fish, salt.....		669		187,876	
Fish, canned.....		82		20,365	
Fish, fresh.....	161	19		42,018	
Foxes, live.....		5		80,800	
Furs.....		276		1,300,112	
Glue.....		31		1,395	
Halibut, fresh.....	6,355	3,553		2,141,894	
Herring, fresh.....	3,856			422,368	
Hides.....		45		12,831	
Ivory.....		5		2,766	
Leather.....		488		411,238	
Lard.....		965		476,000	
Meat.....	125	2		71,762	
Oil, fish.....		1,927		370,591	
Oil and grease.....		92		6,398	
Oil, whale.....		1,166		252,832	
Salmon, canned.....		34,460		19,671,015	
Salmon, dried.....		46		2,905	
Salmon, fresh.....	57	2,353		583,429	
Salmon, salt.....		1,522		519,227	
Shrimps.....		71		49,606	
Whalebone.....		3		2,896	
Vegetable food products.....			62,464		14,153,961
Apples.....		48		2,450	
Barley.....		309		15,400	
Beans.....		742		100,075	
Beet pulp.....		108		3,250	
Beverages.....		186		14,325	
Canned goods.....		7,024		1,721,850	
Cereals.....		275		49,500	
Cocoa.....		97		61,023	
Cocoa bean.....		56		57,980	
Coconut.....		94		26,500	
Chocolate.....		745		537,750	
Coffee.....		2,298		1,069,501	
Confectionery.....		654		174,450	
Corn.....		1,978		134,000	
Copra.....		7,288		254,247	
Extracts and spices.....		81		36,450	
Feed.....		845		39,175	
Fruit, dried.....		1,059		118,625	
Fruit, fresh.....		227		23,845	
Groceries.....		873		242,151	
Honey.....		6		1,384	
Lemons.....		791		181,325	
Malt.....		127		4,625	
Molasses.....		590		14,750	
Nuts.....		85		24,440	
Oil, linseed.....		17		5,630	
Oil, olive.....		138		104,020	
Oil, vegetable.....		197		72,170	
Olives.....		73		27,180	
Onions.....		40		2,250	
Oranges.....		1,064		193,775	
Peas.....		28		4,900	
Pickles.....		24		9,500	
Pineapples.....		6,564		1,814,400	
Potatoes.....		306		27,800	
Rice.....		3,268		496,750	
Sirup.....		460		31,515	
Sugar.....		22,590		6,616,195	
Tapioca.....		44		5,550	
Tea.....		370		200,850	
Vegetables.....		641		106,725	
Wheat.....		84		5,700	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE—continued.					
Other vegetable products.....			3, 878		\$3, 792, 399
Automobile tires.....		206		\$108, 050	
Brooms.....		1		2, 025	
Cigars.....		680		2, 158, 385	
Electric supplies.....		1, 802		392, 250	
Gum.....		61		28, 287	
Naval stores.....		92		6, 072	
Rubber, crude.....		19		25, 000	
Rubber goods.....		145		72, 000	
Seeds.....		159		48, 650	
Straws.....		25		15, 000	
Tobacco.....		1, 189		938, 650	
Textiles.....			21, 501		6, 613, 950
Burlap.....		979		165, 216	
Carpets and rugs.....		224		195, 250	
Clothing.....		103		112, 400	
Cordage.....		1, 186		403, 788	
Dry goods.....		719		426, 080	
Fish nets.....		1		4, 615	
Hemp.....		17, 183		4, 856, 413	
Linoleum.....		722		396, 490	
Jute.....		218		27, 061	
Kapoc.....		85		7, 575	
Manila fiber.....		39		8, 822	
Oakum.....		31		8, 350	
Rags.....		21		2, 900	
Wood and paper.....			9, 311		779, 160
Furniture.....		198		63, 750	
Logs.....		55		810	
Lumber.....	1, 914			49, 781	
Paper.....		5, 587		316, 889	
Stationery.....		475		144, 300	
Wood products.....		1, 022		201, 230	
Wood pulp.....		60		2, 400	
Nonmetallic minerals.....			1, 653, 049		36, 156, 697
Asphalt.....		9, 701		197, 120	
Cement.....		20		600	
Coal.....		17, 328		146, 005	
Crockery.....		337		72, 150	
Gasoline.....	305, 366			17, 603, 804	
Glassware.....		36		7, 200	
Glass, window.....		218		119, 900	
Fire brick.....	100			1, 600	
Fire clay.....		785		21, 407	
Marble.....	706			17, 851	
Oil, fuel.....	1, 293, 294			15, 345, 568	
Oil, lubricating.....		12, 884		2, 273, 115	
Petroleum products.....		224		4, 514	
Salt.....		12, 018		347, 375	
Sulphur.....		30		1, 200	
Tiling.....		2		378	
Ores, metals, and manufactures.....			29, 258		8, 714, 504
Bullion, gold.....		8		3, 813, 474	
Bullion, lead.....		13		26, 357	
Coins and currency.....				213, 289	
Concentrates.....		3, 456		1, 831, 410	
Containers, empty.....	775	1, 850		321, 706	
Copper.....		273		275, 000	
Gold dust.....		1		454, 976	
Hardware.....		14, 063		1, 157, 628	
Iron and steel.....	3, 221			100, 120	
Junk.....	834			31, 422	
Lead.....	384	307		139, 500	
Magnesite.....		27		1, 535	
Mercury.....		38		75, 000	
Metal.....		230		4, 735	
Nails.....		992		84, 662	
Ores.....		724		224, 245	
Tin.....		37		55, 800	
Tin cans.....		212		2, 046	
Wire.....		1, 547		263, 613	
Wire rope.....		266		88, 960	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE—continued.					
Machinery and vehicles.....			2, 690		\$1, 168, 664
Automobiles and parts.....		414		\$338, 444	
Machinery.....	1, 463	547		727, 049	
Sewing machines.....		224		90, 071	
Typewriters.....		5		13, 100	
Chemicals.....			15, 664		2, 934, 518
Ammonia sulphate.....		50		6, 000	
Ammonia nitrate.....		750		139, 500	
Ammunition.....		44		58, 828	
Drugs.....		2, 852		764, 425	
Fertilizer.....		3, 148		355, 993	
Gas.....		337		168, 500	
Glycerine.....		104		124, 962	
Lime, chloride of.....		17		1, 255	
Paint.....		4, 124		737, 975	
Shoe polish.....		30		45, 000	
Soap.....		3, 819		491, 010	
Soda.....		19		1, 750	
Soda ash.....		40		1, 560	
Soda bicarbonate.....		155		9, 610	
Sodium sulphate.....		185		25, 750	
Sulphate of aluminum.....		30		2, 400	
Unclassified.....			8, 501		3, 342, 806
Candles.....		15		7, 858	
Curtains.....		13		17, 963	
Films.....		47		92, 432	
Household goods.....		336		203, 925	
Ink.....		42		42, 000	
Miscellaneous.....		7, 565		2, 618, 825	
Notions.....		272		87, 146	
Pianos.....		103		133, 484	
Photographs.....		108		139, 172	
Total.....	1, 619, 592	247, 774	1, 867, 366		105, 342, 440
SHIPMENTS, COASTWISE.					
Animals and animal products.....			21, 195		6, 627, 057
Belting.....		1		3, 605	
Boots and shoes.....		504		577, 368	
Butter.....		758		901, 305	
Cheese.....		206		133, 568	
Eggs.....		1, 089		724, 830	
Fish.....		762		217, 336	
Fish oil.....		60		7, 175	
Furs and skins.....		39		119, 598	
Herring.....		30		19, 712	
Hides.....		51		15, 600	
Lard.....		418		207, 475	
Leather.....		239		77, 502	
Live stock.....		553		138, 007	
Meat.....		9		5, 686	
Milk, canned.....		4, 960		1, 083, 783	
Salmon, canned.....		11, 241		2, 302, 719	
Tallow.....		77		19, 750	
Trunks and suit cases.....		160		56, 068	
Whale oil.....		22		4, 850	
Whale meat.....		16		1, 120	
Vegetable food products.....			143, 963		16, 460, 828
Alfalfa.....		743		31, 654	
Apples.....		1, 050		121, 717	
Barley.....		140		10, 684	
Beans and peas.....		604		92, 175	
Beverages.....		1, 049		126, 762	
Bran.....		5, 301		273, 420	
Canned goods.....		688		159, 219	
Cereals.....		1, 148		167, 357	
Cocoa, chocolate.....		45		27, 312	
Coffee.....		353		312, 962	
Confectionery.....		2, 250		529, 511	
Corn.....		628		41, 561	
Corn meal.....		150		16, 559	
Copra.....		54		6, 060	
Extracts and spices.....		34		16, 800	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Vegetable food products—Continued.					
Feed		7,634		\$377,667	
Flour		87,642		9,325,533	
Fruit		4,544		860,686	
Groceries		1,294		365,718	
Hay		4,610		177,121	
Macaroni		37		6,781	
Oats		8,334		534,553	
Oil, coconut		52		5,075	
Oil, cottonseed		10		1,750	
Oil, linseed		133		27,531	
Oil, peanut		49		19,500	
Oil, rapeseed		26		7,800	
Oil, soya bean		254		23,900	
Onions		514		40,681	
Oranges		315		89,907	
Peanuts		167		33,250	
Pepper		20		7,000	
Potatoes		3,203		306,322	
Rice		901		222,679	
Soya bean meal and cake		272		14,018	
Starch		36		7,699	
Sugar		2,612		912,528	
Sirup		284		85,207	
Tomatoes, canned		16		3,600	
Tea		470		179,267	
Vegetables		3,498		681,570	
Walnuts		64		26,032	
Wheat		2,735		182,710	
Other vegetable products			3,670		\$2,485,857
Automobile tires		269		681,684	
Brooms		20		34,312	
Cascara bark		3		400	
Cigarettes		69		245,642	
Cigars		47		436,086	
Electrical supplies, rubber		1,652		362,334	
Naval supplies		752		42,412	
Rubber, crude		40		45,800	
Rubber goods		409		202,271	
Seeds		197		56,000	
Tobacco		212		348,926	
Textiles			7,359		4,034,856
Burlap		894		232,250	
Clothing		1,941		1,251,829	
Cordage		2,627		1,027,757	
Cotton		34		8,000	
Cotton thread		23		61,547	
Dry goods		1,820		1,436,399	
Hats		1		2,612	
Oakum		5		1,912	
Rugs		2		1,800	
Wool		12		10,750	
Wood and paper			133,060		6,716,889
Box shooks		18,134		721,379	
Cedar poles	294			2,397	
Cork products		62		14,089	
Excelsior		135		4,894	
Flooring		67		1,140	
Furniture		793		237,962	
Lath		521		17,939	
Lumber	53,402			1,329,287	
Paper		25,539		2,382,775	
Piles, creosoted	1,060			250,000	
Railroad ties	23,880			466,150	
Sashes and doors		745		101,599	
Shingles		1,084		74,607	
Stationery		2,101		587,445	
Wood oil		106		16,400	
Wood products		3,432		350,326	
Wood pulp		1,746		156,543	
Nonmetallic minerals			41,563		1,474,175
Brick	1,259			12,653	
Cement		1,809		82,823	
Coal	19,552			197,711	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Nonmetallic minerals—Continued.					
Crockery and glass.....		1,334		\$230,745	
Gasoline.....		666		59,435	
Glass, window.....		192		57,062	
Lime.....		1,861		37,813	
Mirrors and plate glass.....		79		92,518	
Oil, fuel.....	807			10,735	
Oil, refined.....		286		22,100	
Oil, lubricating.....		180		26,722	
Oil, miscellaneous.....		10,604		587,060	
Salt.....		2,923		56,799	
Ores, metals, and manufactures.			70,907		\$10,177,487
Antimony ore.....		65		3,750	
Coin.....				113,410	
Concentrates.....		354		163,725	
Copper.....	1,864			1,185,000	
Hardware.....		26,114		3,750,563	
Iron and steel.....	12,675			723,275	
Junk.....	298			21,803	
Metal products.....		479		172,405	
Nails.....		1,752		222,709	
Tin pig.....	850			148,859	
Tin plate.....		3,837		683,087	
Tin cans.....		16,898		1,824,203	
Wire.....		3,848		733,410	
Wire rope.....		693		232,613	
Zinc.....	1,180			198,675	
Machinery and vehicles.			9,652		4,818,216
Agricultural implements.....		318		82,332	
Automobiles and parts.....		1,587		1,615,017	
Car wheels.....	394			20,385	
Machinery.....		6,744		2,776,806	
Sewing machines.....		255		163,644	
Tractors.....		354		160,032	
Chemicals.....			8,755		2,110,856
Ammonia.....		161		50,495	
Ammonia sulphate.....		433		48,940	
Baking powder.....		67		44,319	
Calcium carbide.....		100		13,372	
Drugs and chemicals.....		1,804		568,689	
Explosives.....		1,764		832,620	
Fertilizers.....		2,474		184,123	
Gas.....		115		15,450	
Paint.....		1,080		206,023	
Soap.....		757		146,825	
Unclassified.....			9,140		3,554,506
Candles.....		45		17,724	
Films.....		196		251,765	
Household goods.....		569		184,868	
Miscellaneous.....		7,505		2,750,134	
Musical instruments.....		91		78,885	
Notions.....		718		260,430	
Pianos.....		16		10,700	
Total.....	117,505	331,778	449,283		58,460,718
Total receipts and shipments, coast- wise.....	1,737,097	579,552	2,316,649		163,803,158
RECEIPTS, INTERNAL.					
Vegetable food products.					
Feed and grain.....		3,282	4,995	151,423	249,523
Oats.....		1,305		81,960	
Potatoes.....		408		16,150	
Wood and paper.....			455,192		5,296,863
Logs, floated.....	417,931			3,810,474	
Lumber.....	7,518			272,390	
Shingles.....		29,743		1,213,999	
Nonmetallic minerals.....			404,986		343,808
Brick.....	2,636			15,821	
Lime.....		2,919		53,925	
Sand and gravel.....	399,431			274,062	
Unclassified: Miscellaneous.....		294,377	294,377	22,591,351	22,591,351
Total.....	827,516	332,034	1,159,550		28,481,545

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, INTERNAL.					
Vegetable food products.....			5,108		\$304,867
Flour and feed.....		4,944		\$298,717	
Potatoes.....		164		6,150	
Wood and paper.....			77,687		1,635,438
Logs, floated.....	17,674			178,725	
Lumber.....	49,263			1,025,138	
Shingles.....		10,730		431,575	
Nonmetallic minerals.....			15,195		59,470
Coal.....	5,719			51,470	
Sand and gravel.....	9,476			8,000	
Unclassified: Miscellaneous.....		243,002	243,002	17,313,631	17,313,631
Total.....	82,132	258,840	340,972		19,313,406
Total receipts and shipments, inter- nal.....	909,648	590,874	1,500,522		47,794,951

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products.....	31,474	\$13,562,679	33,065	\$7,595,488
Vegetable food products.....	162,907	40,007,947	99,880	11,251,089
Other vegetable products.....	17,041	9,935,084	4,498	2,681,470
Textiles.....	50,486	149,845,991	56,523	45,053,801
Wood and paper.....	86,430	11,946,892	229,706	8,129,365
Nonmetallic minerals.....	213,152	6,052,445	22,525	900,600
Ores, metals, and manufactures.....	13,074	2,915,881	332,480	48,862,498
Machinery and vehicles.....	715	249,752	15,380	6,651,986
Chemicals.....	19,623	1,990,889	15,975	1,980,173
Unclassified.....	2,406	4,604,624	3,075	2,226,424
Total.....	597,308	241,112,184	813,107	135,312,904

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products.....	82,265	\$34,309,849			146,804	\$5,465,016
Vegetable food products.....	206,427	30,614,809	10,103	\$554,390	479,217	82,428,245
Other vegetable products.....	7,548	6,278,226			29,087	18,894,780
Textiles.....	28,860	10,648,816			136,899	205,548,608
Wood and paper.....	142,401	7,496,040	532,859	6,932,301	991,396	31,504,598
Nonmetallic minerals.....	1,094,001	37,633,862	420,181	403,278	2,350,450	44,990,185
Ores, metals, and manufactures.....	100,165	18,391,991			445,719	70,670,370
Machinery and vehicles.....	12,332	5,966,880			28,427	12,888,618
Chemicals.....	24,409	5,045,374			60,007	8,996,436
Unclassified.....	17,641	6,897,311	587,379	39,904,982	500,501	53,633,341
Total.....	2,316,649	163,803,158	1,500,522	47,794,951	5,227,586	588,023,197

Vessel classification.

FOREIGN AND COASTWISE.

Class.	Number of vessels.		Arrivals.	Departures.	Net registered tonnage.
	American.	Foreign.			
Steam.....	3,080	530	1,798	1,812	7,628,873
Sail.....	76	8	42	42	98,545
Motor.....	3,022	35	1,561	1,496	207,949
Barge.....	870	127	498	499	343,823
Total.....	7,048	700	3,899	3,849	8,279,190

Passengers, coastwise and foreign, 338,253.

LOCAL.

Steam, sail, motor, barges.....	55,074	1,798	28,437	28,435	13,824,897
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Passengers, local, 4,630,822.

SUMMARY.

Vessels.	Arrivals.	Departures.	Net registered tonnage.	Passengers.
Foreign and coastwise.....	3,899	3,849	8,279,190	338,253
Local.....	28,437	28,435	13,824,897	4,630,822
Total.....	32,336	32,284	22,103,987	4,969,075

LAKE WASHINGTON SHIP CANAL, WASH.

Comparative statement of traffic.

Year.	Total. ¹		Floated timbers.	Passengers.
	Tons.	Value.		
1916 (Aug. 1 to Dec. 31).....	323,631	\$1,898,057	Tons: 279,000	11,969
1917.....	650,307	4,254,202	543,000	28,350
1918.....	765,429	6,521,130	554,000	20,459
1919.....	1,020,710	9,520,371	774,000	25,715
1920.....	1,368,898	15,567,829	918,737	28,636

¹ These totals include floated timber, valued at \$3,223,826 in 1920. They do not include Government materials used in works of improvement.² Does not include 17,972 tons in transit.

These statistics cover traffic through the locks only. For complete commercial statistics for Seattle Harbor see report on "Seattle Harbor, Wash."

[Navigation season: Continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper.....		53,741		\$1,177,290
Logs, floated.....	50,000		\$466,500	
Paper, newsprint.....	3,741		710,790	
Nonmetallic minerals: Coal, bituminous.....	22,558	22,558	225,580	225,580
Total.....		76,299		1,402,870
EXPORTS.				
Wood and paper: Lumber.....	15,000	15,000	330,000	330,000
Total imports and exports.....		91,299		1,732,870

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile. ¹
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products, except wool and hair: Fish, canned.....		1,041	1,041	\$312,300	\$312,300	Miles. 1,000	\$0.010
SHIPMENTS, COASTWISE.							
Wood and paper: Lumber.....	28,750		28,750	632,500	632,500	6,000	.008
Nonmetallic minerals: Salt.....		375	375	7,275	7,275	1,000	.008
Total.....	28,750	375	29,125		639,775		
Total receipts and shipments.	28,750	1,416	30,166		952,075		
RECEIPTS, INTERNAL.							
Animals and animal products, except wool and hair: Fish, fresh....	267		267	41,118	41,118	40	.063
Wood and paper.....			718,781		6,814,282	65	.005
Boom sticks, floated.....	14,954			76,714			
Lath.....		100		1,200			
Logs, floated.....	686,356			6,430,702			
Lumber.....	6,280			138,160			
Piles, floated.....	4,998			21,741			
Shingles.....		2,924		122,808			
Spars, floated.....	43			1,075			
Wood.....	3,126			21,882			
Nonmetallic minerals.....			268,325		1,462,985	40	.009
Brick.....	5,121			47,869			
Cement.....		1,170		24,580			
Coke.....	50			450			
Lime.....		336		10,080			
Oil, fuel.....	40,315			433,886			
Oil, gasoline, etc.....		11,860		622,650			
Oil, lubricating.....		1,831		237,495			
Sand and gravel.....	205,763			102,882			
Tile.....	1,879			14,093			
Ores, metals, and manufactures except machinery and vehicles.....			822		95,220	30	.040
Iron.....	50			6,000			
Nails.....		7		420			
Rails.....	100			10,000			
Structural steel.....	665			78,800			

¹ Estimated.

Freight traffic—Continued.

DOMESTIC—Continued.

Classes of commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average hauls	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL—continued.							
Machinery and vehicles: Machinery.		105	105	\$33,600	\$33,600	Miles. 25	\$0.042
Chemicals.			1,756		68,460	30	.089
Coal tar.		1,200		54,000			
Explosives.		556		14,460			
Unclassified.		1,479	1,479	283,968	283,968	20	.040
Total.	969,967	21,568	991,535		8,829,633		
SHIPMENTS, INTERNAL.							
Animals and animal products, except wool and hair.			1,766		488,336	30	.042
Fish.	284			43,736			
Fish, canned.		1,482		444,600			
Wood and paper.			218,980		2,148,949	50	.009
Boomsticks, floated.	55,866			286,592			
Hogged fuel (sawdust).	17,383			10,430			
Lath.		326		3,912			
Logs, floated.	95,409			890,166			
Lumber.	40,392			888,624			
Piles, floated.	8,662			37,680			
Shingles.		699		29,358			
Spars, floated.	27			675			
Wood.	216			1,512			
Nonmetallic minerals.			24,949		563,138	25	.015
Brick.	32			296			
Cement.		1,087		22,827			
Coal, bituminous.	3,860			38,600			
Coke.	4,000			36,000			
Lime.		447		13,410			
Oil, fuel.	434			4,665			
Oil, gasoline, naphtha.		5,102		267,855			
Oil, lubricating.		914		132,530			
Pipe, concrete.		195		1,950			
Sand and gravel.	8,632			43,160			
Tile.	246			1,845			
Ores, metals and manufactures, except machinery and vehicles.			616		67,440	30	.045
Iron.	2			240			
Nails.		8		480			
Rails.	300			30,000			
Structural steel.		306		36,720			
Machinery and vehicles: Machinery.		59	59	18,880	18,880	40	.05
Chemicals.			3,668		272,590	40	.05
Coal tar.		66		2,970			
Creosote.	3,190			255,200			
Explosives.		412		14,420			
Unclassified.		1,533	1,533	294,336	294,336	40	.05
Total.	238,935	12,636	251,571		3,853,669		
Total receipts and shipments.	1,208,902	34,204	1,243,106		12,683,303		
LOCAL RECEIPTS AND SHIPMENTS.							
Wood and paper.			3,422		33,981	11	.045
Lumber.	1,000			22,000			
Piles, floated.	2,352			10,231			
Spars, floated.	70			1,750			
Ores, metals and manufactures, except machinery and vehicles:							
Structural steel.	300		300	36,000	36,000	11	.045
Machinery and vehicles: Machinery.		105	105	33,600	33,600	11	.045
Unclassified.	250	250	500	96,000	96,000	11	.045
Total.	3,972	355	4,327		199,581		

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Wood and paper.....	53,741	\$1,177,290	15,000	\$330,000
Nonmetallic minerals.....	22,558	225,580		
Total.....	76,299	1,402,870	15,000	330,000

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	1,041	\$312,300	2,033	\$529,454	3,074	\$841,754
Wood and paper.....	28,750	632,500	941,183	8,997,212	1,038,674	11,137,002
Nonmetallic minerals.....	375	7,275	206,464	2,311,323	319,397	2,544,178
Ores, metals, and manufactures, except machinery and vehicles.....			1,738	198,660	1,738	198,660
Machinery and vehicles.....			269	86,080	269	86,080
Chemicals.....			2,234	85,850	2,234	85,850
Unclassified.....			3,512	674,306	3,512	674,306
Total.....	30,166	952,075	1,247,433	12,882,884	1,368,896	15,567,829

Cargoes in transit, short tons, 17,972; value, \$1,190,430.

The present usual limit of draft for loaded boats making use of the canal are as follows: Boats 3 to 7 feet draft, 60 per cent of traffic; 7 to 18 feet draft, 38 per cent of traffic (about 130 vessels of this class are engaged in foreign trade); 18 to 29 feet draft, 2 per cent of traffic (about 3 per cent of this class are engaged in foreign trade).

SNOHOMISH RIVER, WASH.

Comparative statement of traffic.

Year.	Total. ¹		Floated timbers.	Passengers.
	Tons.	Value.		
1901.....	5,000	\$314,250	Tons.....	45,916
1902.....	8,862	219,100		34,445
1903.....	23,710	283,738		
1904.....	14,644	168,111		
1905.....	32,530	320,784		
1906.....	59,607	432,185		
1907.....	33,069	1,076,378		
1908 ²	926,183	7,203,365	607,718	
1909 ³	912,005	8,237,125	740,440	
1910.....	910,355	4,152,196	875,438	
1911.....	1,096,731	5,775,225	1,036,577	
1912.....	1,300,344	7,225,186	1,185,967	
1913.....	834,051	4,405,380	762,253	
1914.....	898,141	4,299,736	831,236	
1915.....	980,859	4,867,171	895,895	
1916.....	1,038,477	6,079,109	942,593	
1917.....	1,168,569	7,788,065	1,071,097	
1918.....	1,044,791	9,577,970	1,004,054	
1919.....	1,274,132	10,779,691	1,196,720	
1920.....				

¹ These totals include floated timber where stated. In 1920, valued at \$8,984,113. Do not include Government materials used in works of improvement.

² Not reported.

³ 1909 and 1910 includes commerce of Everett Harbor.

[Navigation season: Continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL RECEIPTS AND SHIPMENTS.						<i>Miles.</i>	
Wood and paper.....			1,263,551		\$10,727,974		
Lath.....		1,106		\$19,997			
Logs, floated.....	1,167,853			8,810,863		20	\$0.015
Lumber.....	66,716			1,723,884			
Piles, floated.....	28,876			173,250			
Nonmetallic minerals.....			10,581		51,617		
Fuel oil.....	1,871			28,100			
Limestone.....	8,710			23,517			
Total.....	1,273,026	1,106	1,274,132		10,779,591		

SUMMARY.

Classes of commodities.	Tons.	Value.
Wood and paper.....	1,263,551	\$10,727,974
Nonmetallic minerals.....	10,581	51,617
Total.....	1,274,132	10,779,591

Vessel classification, 1920.

Class.	American.	Arrivals.	Departures.	Total net registered tonnage.
Registered:				
Steamers.....	6	1,855	1,855	162,820
Motor boats.....	4	262	262	3,910
Barges.....		176	176	165,440
Unregistered rafts.....			1,461	
Total.....	10	2,293	3,754	332,170

Maximum draft 8 feet; minimum draft 2½ feet.

EVERETT HARBOR, WASH.

Comparative statement of traffic.

Year.	Total. ¹		Floated timbers.	Passengers.
	Tons.	Value.		
			Tons.	
1896.....	210,547	\$15,384,831		(²)
1897.....	74,990	2,974,526		64,980
1898.....	55,460	2,545,054		67,206
1899.....	42,713	1,477,120		76,800
1900.....	55,094	1,820,561		(²)
1901.....	71,881	2,712,260		(²)
1902.....	85,263	4,024,584		(²)
1903.....	79,394	2,510,417		(²)
1904.....	163,347	3,342,215		(²)
1905.....	230,089	4,592,124		(²)
1906.....	159,203	3,820,860		(²)
1907.....	143,710	4,725,700		(²)
1908.....	167,687	7,116,547		(²)
1909 ³	926,183	7,203,365	607,718	(²)
1910 ³	912,005	8,237,135	740,440	(²)
1911 ³	910,855	4,152,836	875,438	(²)
1912 ³	1,006,781	5,775,225	1,036,577	(²)
1913.....	1,300,344	7,225,186	1,185,967	(²)
1914.....	834,651	4,405,380	762,253	(²)
1915.....	896,141	4,299,736	831,236	(²)
1916.....	980,850	4,867,271	896,895	(²)
1917 ³				
1918 ³				
1919.....	791,839	19,061,430	518,102	(²)
1920.....	807,468	16,213,420	581,526	(²)

¹ These totals include floated timber where stated. In 1920, valued at \$5,049,388. They do not include Government materials used in works of improvement.

² No report.

³ 1909 to 1912 includes commerce of Snohomish River.

[Navigation season: Continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORT.				
Animals and animal products: Fish, canned.....	666	666	\$103,850	\$103,850
Vegetable food products: Vegetable oil.....	12,686	12,686	3,336,418	3,336,418
Wood and paper: Logs, floated.....	13,829	13,829	138,294	138,294
Total.....		27,211		3,578,562
EXPORT.				
Animals and animal products: Fish, canned.....	53	53	14,893	14,893
Wood and paper.....		22,968		516,039
Cedar poles.....	1,700		17,000	
Lumber.....	21,288		499,039	
Unclassified: Cannery supplies.....	150	150	11,000	11,000
Total.....		23,181		531,932
Total imports and exports.....		50,402		4,110,495

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products:						Miles.	
Fish, canned.....		348	348	\$96,860	\$96,860		
Vegetable food products.....			2,544		1,026,314		
Beans.....		11		1,485			
Beans, canned.....		13		3,250			
Candy.....		10		3,985			
Coffee.....		552		331,200			
Fruit, canned.....		65		16,480			
Oranges.....		17		3,079			
Pickles, canned.....		19		7,600			
Sugar.....		1,857		659,235			
Other vegetable products: Tobacco.....		180	180	141,300	141,300		
Textiles: Cordage.....		8	8	3,120	3,120		
Nonmetallic minerals.....			2,177		135,396		
Fire clay.....		405		10,935			
Marble.....		4		401			
Salt.....		300		5,820			
Talcum.....		1,468		118,240			
Ores, metals, and manufactures:							
Hardware.....		69	69	19,665	19,665		
Chemicals.....			3,117		208,139		
Alum.....		242		72,600			
Chloride of lime.....		1,765		26,475			
Drugs.....		9		2,430			
Glycerin.....		20		24,020			
Soda ash.....		969		67,830			
Soap.....		112		14,784			
Unclassified.....			352		107,200		
Ink.....		6		6,000			
Miscellaneous merchandise.....		346		101,200			
Total.....		8,795	8,795		1,737,994		
SHIPMENTS, COASTWISE.							
Animals and animal products:							
Fish, canned.....		22	22	4,000	4,000		
Wood and paper.....			125,535		3,263,242		
Lath.....		200		3,000			
Lumber.....	77,054			1,799,633			
Paper.....		9,979		1,067,325			
Poles.....	38,000			380,000			
Shingles.....		302		13,284			
Machinery and vehicles: Machinery.....		25	25	8,000	8,000		
Unclassified.....			42		22,370		
Household goods.....		32		19,520			
Miscellaneous merchandise.....		10		2,850			
Total.....	115,054	10,570	125,624		3,297,612		
Total receipts and shipments.....	115,054	19,365	134,419		5,035,606		
RECEIPTS AND SHIPMENTS, INTERNAL.							
Animals and animal products:							
Fish, fresh.....	278		278	31,170	31,170	30	\$0.0067
Vegetable food products.....			148		6,656		
Hay.....		78		1,756			
Oats.....		70		4,900			
Wood and paper.....			567,824		4,976,960		
Logs, floated.....	567,697			4,911,094		25	.001
Lumber.....	1,305			33,066			
Shingles.....		822		32,800		30	.0087
Nonmetallic minerals.....			43,884		22,798		
Oil refined.....		50		2,212			
Gasoline.....		136		8,668			
Sand and gravel.....	43,698			11,918		50	.014
Chemicals: Powder.....		155	155	31,000	31,000		
Unclassified.....			10,358		1,988,736		
Miscellaneous merchandise.....			10,358	1,988,736		25	.10
Total.....	610,978	11,669	622,647		7,057,320		

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products.....	606	\$103,850	53	\$14,893
Vegetable food products.....	12,686	3,336,418		
Other vegetable products.....				
Textiles.....				
Wood and paper.....	13,829	138,294	22,968	516,030
Nonmetallic minerals.....				
Ores, metals, and manufactures.....				
Machinery and vehicles.....				
Chemicals.....				
Unclassified.....			150	11,000
Total.....	27,211	3,578,562	23,191	541,933

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	370	\$100,860	278	\$31,170	1,397	\$250,773
Vegetable food products.....	2,544	1,026,314	148	6,656	15,378	4,366,388
Other vegetable products.....	180	141,300			180	141,300
Textiles.....	8	3,120			8	3,120
Wood and paper.....	125,535	3,263,242	567,824	4,976,960	730,176	8,894,585
Nonmetallic minerals.....	2,177	135,396	43,884	22,798	46,061	158,194
Ores, metals, and manufactures.....	69	19,665			69	19,665
Machinery and vehicles.....	25	8,000			25	8,000
Chemicals.....	3,117	208,139	155	31,000	3,272	239,139
Unclassified.....	394	129,570	10,358	1,988,736	10,902	2,129,306
Total.....	134,419	5,035,606	622,647	7,067,320	807,468	16,213,420

Vessel classification, 1920.

Class.	Number of vessels.		Arrivals.	Departures.	Not registered tonnage.
	American.	Foreign.			
Registered:					
Steamers.....	64	18	1,995	1,995	772,767
Sailing.....	3	1	4	4	11,623
Motor ships.....	7		62	62	116,016
Motor boats.....	24		288	293	5,623
Unrigged.....	7		122	121	46,322
Total.....	105	19	2,471	2,475	952,349

Loaded draft of vessels.

	Foreign.		Coastwise.		Internal.
	Receipts.	Shipments.	Receipts.	Shipments.	
	Fect.	Fect.	Fect.	Fect.	Fect.
Maximum draft.....	24	26	19	22	16
Minimum draft.....	9	9	15	16	1

SKAGIT RIVER, WASH.

Comparative statement of traffic.

Year.	Total. ¹		Floated timbers.	Passengers.
	Tons.	Value.		
1901.....	25,155	\$1,185,170	Tons. (²)	(³)
1902.....	61,794	2,324,980	.....	4,130
1903.....	50,405	2,840,960	.....	(³)
1904.....	29,108	1,116,469	.....	(³)
1905.....	23,189	1,029,371	.....	(³)
1906.....	24,468	1,623,224	.....	(³)
1907.....	27,990	1,328,396	.....	(³)
1908.....	30,400	1,340,325	.....	(³)
1909.....	140,339	2,781,002	101,267	(³)
1910.....	210,364	3,718,378	176,759	(³)
1911.....	190,310	3,764,336	124,744	(³)
1912.....	263,721	4,060,093	206,934	1,422
1913.....	420,406	5,062,919	365,171	1,352
1914.....	468,887	5,597,646	412,842	1,534
1915.....	412,334	4,881,062	356,944	(³)
1916.....	439,747	5,356,162	356,381	2,215
1917.....	554,797	6,286,915	466,572	1,437
1918.....	735,022	11,583,174	674,492	1,305
1919.....	339,870	7,863,440	235,326	394
1920.....	484,171	8,295,705	426,389	81

¹ These totals include floated timber where stated, in 1920, valued at \$2,567,345. They do not include Government materials used in works of improvement.

² Not reported.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS AND SHIPMENTS, INTERNAL.						<i>Miles.</i>	
Animals and animal products.....			14,489		\$3,163,850		
Butter.....		181		\$218,190		65	\$0.061
Eggs.....		134		113,900		65	.077
Hides.....	329			12,960		65	.054
Livestock.....		125		30,300			
Milk, canned.....		13,720		2,788,500		90	.0273
Vegetable food products.....			11,063		455,280		
Flour, feed, and grain.....		2,990		181,400		65	.046
Fruit and vegetables.....		1,898		37,960		65	.061
Hay.....		855		19,900		65	.046
Oats.....		5,320		216,000		60	.037
Textiles: Bags, jute.....		76	76	38,000	38,000	60	.066
Wood and paper.....			426,419		2,567,945		
Piles, floated.....	3,050			50,000			
Logs, floated.....	417,339			2,496,345			
Lumber.....		30		600			
Shingle bolts, floated.....	6,000			21,000			
Nonmetallic minerals.....			22,451		83,450		
Gravel.....	18,325			33,450			
Oil.....		4,126		50,000		65	.046
Machinery and vehicles.....			332		138,400		
Agricultural implements.....		147		57,800			
Machinery.....		185		80,600		65	.077
Unclassified: Miscellaneous merchandise.....		9,341	9,341	1,850,800	1,850,800	65	.046
Total.....	445,043	39,128	484,171		8,295,705		

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Internal.	
	Tons.	Value.
Animals and animal products.....	14,489	\$3,163,850
Vegetable food products.....	11,063	455,280
Textiles.....	76	36,000
Wood and paper.....	426,419	2,567,945
Nonmetallic minerals.....	22,451	83,450
Machinery and vehicles.....	332	138,400
Unclassified.....	9,341	1,850,800
Total.....	484,171	8,295,705

Vessel classification, 1920.

Class.	American vessels.	Arrivals.	Departures.	Net registered tonnage.	Draft.	Passengers.
Registered:					<i>Feet.</i>	
Steamers.....	1	133	133	84,854	5	81
Steam tugs.....	7	Continuous towing.	4 to 257	24-6	.....	.....
Total.....	8	133	133	84,854	.....	81

SWINOMISH SLOUGH, WASH.

Comparative statement of traffic.

Year.	Total. ¹		Floated timbers.	Year.	Total. ¹		Floated timbers.
	Tons.	Value.			Tons.	Value.	
1901.....	137,747	\$2,991,330	<i>Tons.</i>	1912.....	64,523	1,369,134	<i>Tons.</i>
1902.....	49,914	1,472,847	.....	1913.....	121,674	2,212,554	56,360
1903.....	51,339	1,473,197	.....	1914.....	30,731	670,826	4,254
1904.....	56,262	1,539,094	.....	1915.....	32,925	720,200	2,000
1905.....	48,724	1,363,729	.....	1916.....	112,224	2,046,596	51,220
1906.....	53,261	1,494,382	.....	1917.....	54,347	2,509,948	4,832
1907.....	46,239	1,382,666	.....	1918.....	9,156	528,649	.....
1908.....	54,163	1,358,460	.....	1919.....	10,656	655,628	.....
1910.....	44,947	1,360,325	.....	1920.....	15,519	593,479	1,500
1911.....	53,247	1,018,391	2,100 7,000				

¹ These totals include floated timber where stated, in 1920, valued at \$7,500. They do not include Government materials used in works of improvement.

Decrease in traffic since 1917 due to discontinuance of regular boat service.

[Navigation season, continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS AND SHIPMENTS, INTERNAL.							
Animals and animal products: Milk, canned.....		1	1	\$500	\$500	Miles.	
Vegetable food products.....			12,834		445,345		
Coffee.....		1		700		75	\$0.0333
Fruit, fresh.....		7		1,400		75	.047
Hay.....		2,925		62,675		75	.0333
Mill feeds.....		136		8,160			
Oats.....		9,500		350,000		75	.0333
Potatoes.....		262		20,960			
Sugar.....		3		1,450			
Other vegetable products: Seeds.....		14	14	6,990	6,990		
Textiles: Bags, jute.....		95	95	45,000	45,000	60	.067
Wood and paper.....			1,875		13,750		
Logs, floated.....	1,500			7,500			
Lumber.....		375		6,250			
Ores, metals, and manufactures:							
Hardware.....		3	3	1,450	1,450		
Unclassified: General merchandise..		342	342	21,253	21,253		
Total.....	1,500	13,664	15,164		534,288		
LOCAL.							
Animals and animal products: Fish, fresh.....	355		355	59,191	59,191	10	.02

SUMMARY.

Classes of commodities.	Internal.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	1	\$500	355	\$59,191	356	\$59,691
Vegetable food products.....	12,834	445,345			12,834	445,345
Other vegetable products.....	14	6,990			14	6,990
Textiles.....	95	45,000			95	45,000
Wood and paper.....	1,875	13,750			1,875	13,750
Ores, metals and manufactures.....	3	1,450			3	1,450
Unclassified.....	342	21,253			342	21,253
Total.....	15,164	534,288	355	59,191	15,519	593,479

Vessel classification, 1920.

Class.	Number of vessels.		Arrivals.	Departures.	Net registered tonnage.	Draft.
	American.	Foreign.				
Steamers.....	4	2	324	324	42,016	<i>Feet.</i>
Gas launches.....			13,200	13,200		4-7
Total.....	4	2	13,524	13,524	42,016	

¹ Estimated.

ANACORTES HARBOR, WASH.

Comparative statement of traffic.

Year.	Total. ¹		Floated timbers.	Passengers.
	Tons.	Value.		
1918.....	32,365	\$1,662,739	<i>Tons.</i> None.	33,658
1919.....	205,174	4,789,990	140,512	61,854
1920.....	138,283	5,257,327	86,897	47,952

¹ These totals include floated timber where stated, in 1920, valued at \$750,709. They do not include Government materials used in works of improvement.

[Navigation season, continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Fish, fresh.....	1,457	1,457	\$224,378	\$224,378
Wood and paper: Logs, floated.....	1,200	1,200	8,000	8,000
Nonmetallic minerals.....		1,227		11,672
Coal.....	1,080		9,720	
Fire brick.....	147		1,352	
Total imports.....		3,884		243,400
EXPORTS.				
Animals and animal products: Salmon, canned.....	70	70	21,000	21,000
Wood and paper: Box shooks.....	6,061	6,061	206,488	206,488
Unclassified: Miscellaneous merchandise.....	271	271	46,898	46,898
Total.....		6,392		276,061
Total imports and exports.....		10,276		519,511

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amounts in short tons, by commodities.		Amounts in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products.....			9,977		\$1,392,528	Miles.	
Codfish, fresh.....	648			\$82,000		2,000	
Fish, canned.....		8,212		1,149,680		600	
Fish, salt.....		1,117		160,848		1,800	\$0.005
Nonmetallic minerals: Salt.....		925	925	13,000	13,000		
Ores, metals, and manufactures:							
Trap wire.....		50	50	15,000	15,000		
Total.....	648	10,304	10,952		1,420,528		
SHIPMENTS, COASTWISE.							
Animals and animal products.....			370		76,200		
Codfish, salt.....		140		21,000			
Salmon, canned.....		230		55,200			
Wood and paper.....			1,590		53,600		
Box shooks.....		1,260		50,000			
Lumber.....	330			3,600			
Nonmetallic minerals: Salt.....		750	750	11,000	11,000		
Ores, metals, and manufactures:							
Trap wire.....		215	215	43,000	43,000		
Total.....	330	2,595	2,925		183,800		
Total receipts and shipments, coastwise.....	978	12,899	13,877		1,604,328		
RECEIPTS AND SHIPMENTS, INTERNAL.							
Animals and animal products.....			1,996		485,783		
Butter.....		19		19,000			
Cream.....		79		22,357			
Eggs.....		37		2,812			
Fish, fresh.....		653		110,562			
Meats, fresh.....		108		34,560			
Meats, smoked.....		52		28,860			
Milk, canned.....		24		4,872			
Poultry.....		17		8,500			
Salmon, canned.....		1,007		254,260			
Vegetable food products.....			1,375		238,363		
Beverages.....		75		8,625			
Fruit, fresh.....		217		23,740			
Groceries.....		525		157,500			
Hay.....		429		11,583			
Sugar.....		81		28,755			
Vegetables, fresh.....		48		8,160			
Wood and paper.....			100,634		1,789,602		
Box shooks.....		14,937		1,046,893			
Logs, floated.....	85,697			742,709			
Nonmetallic minerals.....			8,099		208,506		
Bottles, empty.....		132		4,884			
Gasoline.....	1,796	49		119,377			
Lime.....		142		5,680			
Oil, lubricating.....		194		14,890			
Oil, fuel.....	3,242			48,628			
Oil, refined.....	284			12,885			
Salt.....		15		291			
Sand and gravel.....	2,245			1,871			
Ores, metals, and manufactures.....			516		117,310		
Cans, empty.....		150		23,000			
Hardware.....		366		94,310			
Machinery and vehicles: Machinery.....		100	100	32,000	32,000		
Unclassified: Miscellaneous merchandise.....		1,392	1,392	261,904	261,904		
Total.....	93,264	20,848	114,112		3,133,468		

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products.....	1,475	\$224,378	70	\$21,000
Vegetable food products.....				
Wood and paper.....	1,200	8,000	6,051	205,498
Nonmetallic minerals.....	1,227	11,072		
Ores, metals, and manufactures.....				
Machinery and vehicles.....				
Unclassified.....			271	49,593
Total.....	3,902	243,450	6,392	276,061

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	10,347	\$1,468,728	1,996	\$485,783	13,888	\$2,199,899
Vegetable food products.....			1,375	238,363	1,375	238,363
Wood and paper	1,590	53,600	100,634	1,789,602	109,475	2,656,690
Nonmetallic minerals.....	1,675	24,000	8,099	208,506	11,001	243,578
Ores, metals, and manufactures	265	58,000	516	117,310	781	175,310
Machinery and vehicles			100	32,000	100	32,000
Unclassified.....			1,392	261,904	1,663	311,497
Total.....	13,877	1,604,328	114,112	3,133,468	138,283	5,257,327

Vessel classification, 1920.

Class.	Number of vessels.		Arrivals.	Departures.	Net registered tonnage.	Passengers.
	American.	Foreign.				
Steamers.....	22		814	814	119,219	
Sailing.....	2	3	5	5	12,433	
Motor vessels.....	12	2	126	126	31,112	
Barges.....			47	47	30,268	
Total.....	36	5	992	992	162,764	47,962

Loaded draft of vessels (feet).

	Foreign.		Coastwise.	
	Imports.	Exports.	Receipts.	Shipments.
Maximum draft.....	9	24	21	21
Minimum draft.....			15	15.5

BELLINGHAM BAY AND HARBOR, WASH.

Comparative statement of traffic.

Year.	Total. ¹		Floated timbers.	Car ferry.	Passen- gers.
	Tons.	Value.			
			<i>Tons.</i>	<i>Tons.</i>	
1903.....	101,889	\$1,835,486			(²)
1904.....	236,669	4,225,480			(²)
1905.....	254,240	4,690,936			(²)
1906.....	292,592	5,643,504			(²)
1907.....	319,613	7,209,796			(²)
1908.....	350,346	8,682,440	145,190		(²)
1909.....	334,501	8,857,250	135,000		(²)
1910.....	358,204	7,023,072	193,655		(²)
1911.....	240,122	1,755,684	117,403		(²)
1912.....	456,776	5,499,169	270,861		(²)
1913.....	573,833	7,638,792	361,673		88,467
1914.....	598,945	8,671,544	363,264		104,369
1915.....	531,971	9,162,243	271,358		92,889
1916.....	480,272	8,604,714	245,145		551,300
1917.....	434,340	10,846,243	211,512		(²)
1918.....	207,427	7,043,772	23,481		63,877
1919.....	278,383	16,029,958	20,347		(²)
1920.....	³ 534,104	16,577,763	246,383	144,960	⁴ 18,000

¹ These totals include floated timber where stated; in 1920, valued at \$2,312,464. They do not include Government materials used in works of improvement.

² Not reported.

³ Exclusive of car-ferry traffic.

⁴ Estimated.

[Navigation season: Continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Wood and paper: Logs, floated.....	26,263	26,263	\$229,802	\$229,802
Nonmetallic minerals.....		43,614		175,126
Coal.....	42,628		174,015	
Sand and gravel.....	1,013		1,111	
Total.....		69,877		404,928
EXPORTS.				
Wood and paper.....		55,015		1,005,680
Lath.....	444		1,296	
Lumber.....	54,492		1,001,315	
Shingles.....	79		3,070	
Nonmetallic minerals: Cement.....	190	190	3,750	3,750
Total.....		55,205		1,009,430
Total imports and exports.....		125,082		1,414,358

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products:						Miles.	
Canned and salt fish		23,260	23,260	\$6,978,000	\$6,978,000	1,800	\$0.00316
Vegetable food products			2,232		700,555		
Beans		120		16,200			
Fruit, canned		635		160,020			
Sugar		1,477		524,335			
Textiles: Gunny sacks		19	19	9,300	9,300		
Nonmetallic minerals			33,780		992,013		
Gasoline	8,079	209		538,624			
Fuel oil	22,537			338,066			
Oil, lubricating		601		44,309			
Oil, refined	940	25		44,068			
Salt		1,359		26,946		1,800	.00316
Ores, metals and manufactures:							
Trap wire		270	270	52,650	52,650	1,800	.00316
Unclassified: Miscellaneous merchandise			3,225		614,140		
Total	31,556	31,230	62,786		9,346,658		
SHIPMENTS, COASTWISE.							
Animals and animal products:							
Canned salmon		245	245	10,000	10,000		
Vegetable food products			246		43,792		
Fruit, canned		146		36,792			
Mill feed		100		7,000			
Wood and paper			71,993		1,174,578		
Box shooks		5,073		121,491			
Lath		736		6,445			
Lumber	63,106			1,015,155		1,500	.0069
Piles	2,750			20,000			
Shingles		328		11,487			
Nonmetallic minerals			3,329		45,945		
Cement		1,777		35,081			
Coal		1,552		10,864			
Ores, metals and manufactures:							
Tin plate	23		23	3,818	3,818	1,800	.0069
Unclassified: Miscellaneous merchandise		743	743	142,836	142,836	1,800	.0069
Total	65,879	10,700	76,579		1,420,960		
Total receipts and shipments, coastwise	97,435	41,930	139,365		10,767,627		
RECEIPTS AND SHIPMENTS, INTERNAL.							
Animals and animal products.			3,706		725,475		
Butter		68		68,000		70	.05
Cream		130		36,792		70	.05
Eggs, fresh		937		71,309			
Fish, fresh		1,429		203,554			
Meat, fresh		311		99,520			
Salmon, canned		821		246,300			
Vegetable food products.			2,633		241,027		
Corn		20		1,500		70	.05
Flour, feed, grain		1,021		73,216		70	.05
Fruit, fresh		191		16,716			
Oats		354		24,240		70	.05
Peas		18		1,170		70	.05
Sugar		183		64,965			
Wheat		846		59,220		70	.05
Wood and paper			240,261		2,473,513		
Box shooks		7,241		296,851			
Logs, floated	220,120			2,082,662			
Piles, floated	12,900			94,000			

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS AND SHIPMENTS, INTERNAL—continued.						Miles.	
Nonmetallic minerals.			18,785		\$57,843		
Brick.....	2,500			\$17,000			
Lime.....		485		12,530		70	\$0.05
Tile.....	800			12,000			
Sand and gravel.....	15,050			16,313		80	.0075
Machinery and vehicles: Machinery.....		387	387	123,840	123,840		
Chemicals: Powder.....		220	220	70,400	70,400		
Unclassified: Miscellaneous merchandise.....		3,665	3,665	703,680	703,680	70	.05
Total.....	251,370	18,287	269,657		4,395,778		

Car ferry: General commodities, short tons, 144,960; value, \$3,768,960.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Wood and paper.....	26,263	\$229,802	55,015	\$1,005,690
Nonmetallic minerals.....	43,614	175,126	190	3,750
Total.....	69,877	404,928	55,205	1,009,440

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	23,505	\$6,968,000	3,706	\$725,475	27,211	\$7,713,475
Vegetable food products.....	2,478	744,347	2,633	241,027	5,111	985,374
Textiles.....	19	9,300			19	9,300
Wood and paper.....	71,993	1,174,578	240,261	2,473,513	393,532	4,883,573
Nonmetallic minerals.....	37,109	1,037,958	18,785	57,843	99,696	1,274,677
Ores, metals and manufactures.....	293	56,466			293	56,466
Machinery and vehicles.....			387	123,840	387	123,840
Chemicals.....			220	70,400	220	70,400
Unclassified.....	3,968	756,976	3,665	703,680	7,633	1,460,656
Total.....	139,265	10,767,627	269,657	4,395,778	534,104	16,577,763

Car ferry, short tons, 144,960; value, \$3,768,960.

Vessel classification, 1920.

Class.	Number of vessels.		Arrivals.	Departures.	Total net registered tonnage.	Draft.
	American.	Foreign.				
Steamers.....	87	14	919	918	703,321	<i>Feet.</i> 6-29
Sailing.....	12	.....	16	16	17,066	8-24
Motor vessels.....	17	.....	390	390	58,070	4-8
Barges.....	29	2	359	359	200,302	3-8
Total.....	145	16	1,684	1,683	978,789	.....

COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WASH.*Comparative statement of traffic.*

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895.....	5,850	\$192,500	1,300	1910.....	26,114	\$1,825,270	(1)
1896.....	5,500	(1)	1,300	1911.....	13,260	656,670	(1)
1897-1903 ¹.....	.....	.....	.....	1912.....	22,411	1,103,785	(1)
1904.....	24,506	2,251,590	(1)	1913-1915 ².....	.....	.....	.....
1905.....	39,827	3,169,060	(1)	1916 ³	4,697	202,000	(1)
1906.....	53,260	3,901,360	21,964	1917 ³	3,610	240,000	(1)
1907.....	42,126	3,091,550	19,187	1918 ³	4,415	300,000	(1)
1908.....	54,527	3,368,119	20,082	1919 ³	4,282	250,000	(1)
1909.....	33,976	3,928,990	(1)	1920 ³	3,742	188,000	(1)

¹ Not reported.² No statistics available.³ This tonnage was practically all between Pateros and Clark, Wash. Complete statistics are not obtainable.

No floated timber or logs or ferry traffic are included in the above, and none has been reported. No Government materials used in improvement work are included.

Since railroads have been constructed below Bridgeport paralleling the river, navigation has greatly decreased. It is believed by local interests that a considerable boat traffic could be built up above Bridgeport to Clark if it were not for several obstructions which make low-water navigation impossible.

(Navigation season 11 months.)

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
INTERNAL.				
Vegetable food products.....		3,622		\$165,000
Wheat.....	900		\$63,000	
Fruit.....	2,722		102,000	
Unclassified.....	120	120	23,000	23,000
Total.....	3,742	3,742		188,000

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products.....	3,622	\$165,000
Unclassified.....	120	23,000
Total.....	3,742	188,000

Vessel classification, 1920.

Class.	Amer- ican.	Total net registered tonnage.
Steamers.....	1	342
Barges.....	3	(1)

¹ Not reported.

Arrivals, departures, and drafts of steamers and barges not reported.

BLAINE HARBOR, WASH.*Comparative statement of traffic.*

Year.	Total. ¹		Floated timbers.	Passengers.
	Tons.	Value.		
1920.....	67,044	\$1,070,031	<i>Tons.</i> 56,350	3,480

¹ The above total includes floated timbers in 1920, valued at \$355,886. Does not include Government materials used in works of improvement.

[Navigation season: Continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS.				
Wood and paper: Logs, floated.....	12,258	12,258	\$97,528	\$97,528
Nonmetallic minerals: Coal.....	588	588	5,471	5,471
Total.....		12,846		102,999
EXPORTS.				
Wood and paper: Shingles.....	900	900	22,000	22,000
Total imports and exports.....		13,746		124,999

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Unclassified: Cannery supplies		1,350	1,350	\$193,050	\$193,050	Miles.	
SHIPMENTS, COASTWISE.							
Wood and paper: Box shooks		1,490	1,490	49,030	49,030	1,800	
Total receipts and shipments		2,840	2,840		242,080		
RECEIPTS AND SHIPMENTS, INTERNAL.							
Animals and animal products			1,267		233,200		
Cream		62		17,500		16	\$0.01125
Meat, fresh		5		1,700		16	.01125
Salmon, canned		200		60,000			
Salmon, fresh	1,000			154,000			
Wood and paper			49,191		469,752		
Box shooks		4,797		201,394			
Shingles		302		10,000			
Logs, floated	44,092			258,358		130	.039
Total	45,092	5,366	50,458		702,952		

SUMMARY.

Classes and commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....							1,267	\$231,750	1,267	\$231,750
Wood and paper.....	12,258	\$97,528	900	\$22,000	1,490	\$49,030	49,191	\$469,752	63,839	\$638,310
Nonmetallic minerals.....	588	5,471							588	5,471
Unclassified.....					1,350	193,080			1,350	193,060
Total.....	12,846	102,999	900	22,000	2,840	242,080	50,458	701,502	67,044	1,068,581

Vessel classification, 1920.

Class.	Number of vessels.		Arrivals.	Departures.	Net registered tonnage.	Draft.	Passengers.
	American.	Foreign.					
Steamers.....	10	8	209	206	13,790	Fet. 6-16	480
Sailing.....	1		1	1	3,120	24	
Motor boats.....	32	4	2,056	2,056	18,439	1-6	3,000
Barges.....			16	16	12,680		
Total.....	43	12	2,282	2,284	48,029		3,480

PORT ANGELES, WASH.

Comparative statement of traffic.

Year.	Total. ¹		Floated timbers.
	Tons.	Value.	
1920.....	148,438	\$3,543,017	Tons. 64,872

¹ The above total includes floated timbers, 1920, valued at \$563,034. Does not include Government materials used in works of improvement.

[Navigation season: Continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Wood pulp.....	669	669	\$50,210	\$50,210
Nonmetallic minerals: Cement.....	4,675	4,675	113,296	113,296
Total.....		5,344		163,506
EXPORTS.				
Textiles: Sacks, jute.....	458	458	22,912	22,912
Wood and paper.....		30,159		749,085
Lath.....	325		7,186	
Lumber.....	27,711		685,470	
Mining props.....	1,500		21,000	
Shingles.....	623		35,029	
Total.....		30,617		771,997
Total imports and exports.....		35,961		935,503

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE.					
Wood and paper.....			35,264		\$866,370
Box shooks.....		4,061		\$300,542	
Lath.....		3,900		58,217	
Lumber.....	26,416			447,631	
Paper.....		240		34,000	
Shingles.....		647		25,980	
Total.....	26,416	8,848	35,264		866,370

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS AND SHIPMENTS, INTERNAL.					
Animals and animal products.....			2,169		\$479,460
Dairy products.....		239		\$128,582	
Fish, fresh.....	1,496			232,902	
Fish, mild cure.....		206		45,160	
Meat, fresh.....		228		72,960	
Vegetable food products.....			615		43,463
Flour.....		288		37,440	
Hay and grain.....		327		16,023	
Wood and paper.....			46,542		404,434
Logs, floated.....	45,972			399,234	
Piles, floated.....	570			5,200	
Nonmetallic minerals.....			6,822		271,387
Gasoline.....	2,899	58		186,891	
Oil, fuel.....	3,145			44,377	
Oil, refined.....	476	16		22,538	
Oil, lubricating.....		228		17,581	
Machinery and vehicles: Machinery.....		379	379	121,280	121,280
Unclassified.....			1,382		248,124
Ice.....		50		1,600	
Miscellaneous merchandise.....		1,332		246,524	
Total.....	54,558	3,351	57,909		1,568,292
LOCAL.					
Wood and paper: Logs, floated.....	18,900		18,900	163,800	163,800
Nonmetallic minerals: Cement.....		404	404	9,052	9,052
Total.....	18,900	404	19,304		172,852

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Textiles.....			458	\$22,912
Wood and paper.....	669	\$50,210	30,150	746,085
Nonmetallic minerals.....	4,675	113,296		
Total.....	5,344	163,506	30,617	771,997

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....			2,169	\$479,604	2,169	\$479,604
Vegetable food products.....			615	43,463	615	43,463
Textiles.....					458	22,912
Wood and paper.....	35,264	\$866,370	65,442	568,234	131,534	2,233,899
Nonmetallic minerals.....			7,226	280,439	11,901	363,735
Machinery and vehicles.....			379	121,280	379	121,280
Unclassified.....			1,382	248,124	1,382	248,124
Total.....	35,264	866,370	77,213	1,741,144	148,438	3,543,017

Vessel classification, 1920.

Class.	Number of vessels.		Arrivals.	Departures.	Total net registered tonnage.
	American.	Foreign.			
Registered:					
Steamers.....	46	6	534	533	648,624
Sailing.....	17		17	17	30,920
Motor.....	6		69	69	10,338
Unrigged.....			14	14	31,240
Total.....	69	6	634	633	721,122

Loaded draft of vessels.	Maximum.	Minimum.
For foreign ports.....	31	19
For domestic ports.....	27	17
Inraport.....	17	.....

Number of vessels with loaded draft:

Over 30 feet.....	1
25 to 30 feet.....	3
20 to 24 feet.....	59
15 to 19 feet.....	11
10 to 14 feet.....	366
0 to 9 feet.....	193

PORT TOWNSEND HARBOR, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Car ferry.	Passengers.
1920.....	14,443	\$506,799	Tons. 130,130	16,800

¹ Exclusive of car-ferry traffic.

The above table does not include Government materials used in works of improvement.

[Navigation season: Continuous.]

Freight traffic, 1920.

DOMESTIC.

Classes and commodities.	Amounts in short tons.		Value.		
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
INTERNAL RECEIPTS AND SHIPMENTS.					
Animals and animal products.....			318		\$125,262
Fresh meats.....		216		\$69,120	
Cream, fresh.....		24		6,792	
Butter.....		48		48,000	
Clams, fresh.....		30		1,350	
Vegetable food products.....			987		100,415
Vegetables, fresh.....		161		27,370	
Sugar.....		50		17,750	
Flour and feed.....		776		55,295	
Wood and paper: Lumber.....	20		20	533	533
Nonmetallic minerals.....			2,071		105,745
Cement.....		35		735	
Oil, refined.....	184			8,301	
Oils, lubricating.....		36		2,772	
Oils, fuel.....	472			7,076	
Gasoline.....	1,317	27		86,861	
Unclassified.....			1,047		174,844
Ice.....	140			700	
Miscellaneous merchandise.....	907			174,144	
Total.....	3,040	1,403	4,443		506,799

CAR FERRY.

Commodities.	Short tons.	Value.
General.....	180,130	\$5,944,290

SUMMARY.

Classes of commodities.	Total domestic.	Internal value.
	<i>Tons.</i>	
Animals and animal products.....	318	\$125,262
Vegetable food products.....	987	100,415
Wood and paper.....	20	533
Nonmetallic minerals.....	2,071	105,745
Unclassified.....	1,047	174,844
Total.....	4,443	506,799

Car ferry, 180,130 short tons; value, \$5,944,290.

Vessel classification, 1920.

Class.	Ameri-can.	Arrivals.	Departures.	Registered tonnage.	Draft.	Passengers.
					<i>Fet.</i>	
Steamers.....	10	2,153	2,153	909,211	9-20	16,800
Motor vessels.....	5	111	111	15,424	3 10	
Barges.....	2	291	291	230,765	4-19	
Total.....	17	2,555	2,555	1,245,400		16,800

PORT LUDLOW, WASH.

Comparative statement of traffic.

Year.	Tons. ¹	Value.	Floated timbers.	Car ferry.
1920.....	92,945	\$1,441,777	Tons. 59,206	Tons. 15,560

¹ Tonnage includes floated timber but excludes car ferry. It does not include any Government materials used in works of improvement.

² Value, \$680,869.

[Navigation season: Continuous.]

Freight traffic, 1920.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber.....	9,502	9,502	\$198,260	\$198,260

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.		By commodities.	By classes.
	Bulk.	Package.		
COASTWISE SHIPMENTS.				
Wood and paper.....			23,528	\$320,353
Lumber.....	19,721			\$292,190
Lath.....	847			13,552
Spars.....	98			2,644
Piles.....	2,872			11,967
Total.....	23,538		23,538	320,353
INTERNAL RECEIPTS AND SHIPMENTS.				
Animals and animal products.....			30	6,418
Cream.....		224		3,318
Meats.....		74		3,100
Wood and wood products: Logs, floated.....	59,206		59,206	680,869
Unclassified: Miscellaneous merchandise.....		669	669	240,877
Total.....	59,206	669	59,905	928,184

CAR FERRY.

Commodities.	Short tons.	Value.	Commodities.	Short tons.	Value.
Lumber.....	13,842	\$774,885	Cement.....	75	\$2,250
Lath.....	308	4,928	Steel rails.....	25	1,250
Hay and feed.....	287	18,500	Machinery.....	90	26,000
Sand and gravel.....	400	375			
Brick.....	623	10,625	Total.....	15,660	\$37,813

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.					30	\$6,418	30	\$6,418
Wood and wood products.....	9,502	\$193,260	23,538	\$320,353	59,206	680,969	92,245	1,194,482
Unclassified.....					669	240,877	669	240,877
Total.....	9,502	193,260	23,538	320,353	59,905	928,164	92,945	1,441,777

Car ferry, 15,560 short tons; value, \$37,813.

Vessel classification, 1920.

Class.	Number of vessels.		Arrivals.	Departures.	Net registered tonnage.	Draft.
	American.	Foreign.				
Steamers.....	27	1	635	635	289,330	<i>Feet.</i> 9-24
Sailing.....	3		3	3	5,650	9-24
Unrigged.....	2		64	64	53,500	
Total.....	32	1	702	702	348,480	

CHEHALIS RIVER (ABOVE MONTESANO), GRAYS HARBOR, WASH.

No detailed statistics or comparative traffic available.

Not under improvement.

Navigable for light-draft vessels 11 miles above Montesano, and for floated logs 61 miles above Montesano.

Traffic (estimated).—Year 1920, 50,000 tons; value, \$200,000. All floated logs.

WISHKAH RIVER, GRAYS HARBOR, WASH.

This stream is tributary to Chehalis River, entering at Aberdeen.

No detailed statistics or comparative traffic available.

Not under improvement.

Navigable for deep-draft vessels for 1 mile, and for light-draft vessels and floating logs, 5 miles.

Traffic (estimated).—Year 1920, 100,000 tons (of this amount 20,000 tons is barged lumber); value, \$480,000. Logs (floated), 80,000; value, \$320,000.

NASEL RIVER, WILLAPA HARBOR, WASH.

No detailed statistics or comparative traffic available.

Not under improvement.

Navigable length, 12 miles from mouth.

Traffic consists almost entirely of floated logs.

Traffic (estimated).—Year 1920, 100,000 tons (all floated logs); value, \$400,000

• HUMPTULIPS RIVER, GRAYS HARBOR, WASH.

No detailed statistics or comparative traffic available.

Not under improvement.

Navigable length, 12 miles from mouth for logs and light-draft boats.

Traffic consists almost entirely of floated logs.

Traffic (estimated).—Year 1920, 20,000 tons (all floated logs); value, \$80,000.

PEND OREILLE RIVER, BETWEEN PRIEST RIVER, IDAHO, AND IONE, WASH.

[Distance, 55 miles.]

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1899.....	2,617	\$129,677	1906.....	32,943	\$501,834
1900.....	1,921	97,125	1907.....	6,227	232,500
1901.....	13,917	134,280	1908.....	21,724	123,000
1902.....	15,896	506,280	1909.....	4,679	101,120
1903.....	27,10	753,000	1910-1919 ¹		
1904.....	36,974	358,453	1920.....	300,000	1,200,000
1905.....	54,933	462,814			

¹ No statistics available.

1899-1909 includes floated logs, but not separable.

1920 tonnage was all floated logs and ties, of which 240,000 tons were floated over Albany Falls from Priest River to Newport and below.

PEND OREILLE LAKE, IDAHO.

Traffic (from Sand Point, Idaho, 20 miles up the lake).—Year 1920, 80,800 tons (of which 80,000 tons were floated logs and 800 tons general merchandise); value, \$380,000. Passengers carried, 7,000.

PRIEST RIVER, IDAHO.

Traffic.—Year 1920, 300,000 tons; value, \$1,200,000.

This traffic consisted of logs floated from points on Priest Lake and along the river, a total distance of about 50 miles, to the town of Priest River.

COEUR D'ALENE LAKE AND ST. JOE RIVER, IDAHO.

Traffic.—Year 1920, 6,000 tons; value, \$600,000. Passengers carried, 105,927.

Traffic on Coeur d'Alene Lake consists of a daily train service both ways by the Oregon-Washington Railroad & Navigation Co., between Amwaco and Harrison, a distance of 6 miles, 75,927 passengers having been transferred by boat in 1920 between these points. In addition, there is a freight traffic of 3,000 tons per annum.

The Red Collar Steamship Line operates over Coeur d'Alene Lake and St. Joe River, between the towns of Coeur D'Alene and St. Joe, Idaho, about 50 miles. This line carries 30,000 passengers annually and 3,000 tons of general merchandise.

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....					30	\$6,418	30	\$6,418
Wood and wood products....	9,502	\$193,260	23,538	\$320,353	59,206	680,869	92,245	1,194,483
Unclassified.....					669	240,877	669	240,877
Total.....	9,502	193,260	23,538	320,353	59,905	928,164	92,945	1,441,777

Car ferry, 15,560 short tons; value, \$837,813.

Vessel classification, 1920.

Class.	Number of vessels.		Arrivals.	Departures.	Net registered tonnage.	Draft.
	American.	Foreign.				
Steamers.....	27	1	635	635	289,330	<i>Fct.</i> 9-24
Sailing.....	3		3	3	5,650	9-24
Unrigged.....	2		64	64	53,500	.....
Total.....	32	1	702	702	348,480	.....

CHEHALIS RIVER (ABOVE MONTESANO), GRAYS HARBOR, WASH.

No detailed statistics or comparative traffic available.

Not under improvement.

Navigable for light-draft vessels 11 miles above Montesano, and for floated logs 61 miles above Montesano.

Traffic (estimated).—Year 1920, 50,000 tons; value, \$200,000. All floated logs.

WISHKAH RIVER, GRAYS HARBOR, WASH.

This stream is tributary to Chehalis River, entering at Aberdeen.

No detailed statistics or comparative traffic available.

Not under improvement.

Navigable for deep-draft vessels for 1 mile, and for light-draft vessels and floating logs, 5 miles.

Traffic (estimated).—Year 1920, 100,000 tons (of this amount 20,000 tons is barged lumber); value, \$480,000. Logs (floated), 80,000; value, \$320,000.

NASEL RIVER, WILLAPA HARBOR, WASH.

No detailed statistics or comparative traffic available.

Not under improvement.

Navigable length, 12 miles from mouth.

Traffic consists almost entirely of floated logs.

Traffic (estimated).—Year 1920, 100,000 tons (all floated logs); value, \$400,000

• HUMPTULIPS RIVER, GRAYS HARBOR, WASH.

No detailed statistics or comparative traffic available.

Not under improvement.

Navigable length, 12 miles from mouth for logs and light-draft boats.

Traffic consists almost entirely of floated logs.

Traffic (estimated).—Year 1920, 20,000 tons (all floated logs); value, \$80,000.

PEND OREILLE RIVER, BETWEEN PRIEST RIVER, IDAHO, AND IONE, WASH.

[Distance, 55 miles.]

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1899.....	2,617	\$129,677	1906.....	32,943	\$501,834
1900.....	1,021	97,125	1907.....	6,227	232,500
1901.....	13,917	134,280	1908.....	21,724	123,000
1902.....	15,806	506,280	1909.....	4,679	101,120
1903.....	27,10	753,080	1910-1919 ¹		
1904.....	26,974	358,453	1920.....	300,000	1,200,000
1905.....	54,933	462,814			

¹ No statistics available.

1899-1909 includes floated logs, but not separable.

1920 tonnage was all floated logs and ties, of which 240,000 tons were floated over Albany Falls from Priest River to Newport and below.

PEND OREILLE LAKE, IDAHO.

Traffic (from Sand Point, Idaho, 20 miles up the lake).—Year 1920, 80,800 tons (of which 86,000 tons were floated logs and 800 tons general merchandise); value, \$380,000. Passengers carried, 7,000.

PRIEST RIVER, IDAHO.

Traffic.—Year 1920, 300,000 tons; value, \$1,200,000.

This traffic consisted of logs floated from points on Priest Lake and along the river, a total distance of about 50 miles, to the town of Priest River.

COEUR D'ALENE LAKE AND ST. JOE RIVER, IDAHO.

Traffic.—Year 1920, 6,000 tons; value, \$600,000. Passengers carried, 105,927.

Traffic on Coeur d'Alene Lake consists of a daily train service both ways by the Oregon-Washington Railroad & Navigation Co., between Amwaco and Harrison, a distance of 6 miles, 75,927 passengers having been transferred by boat in 1920 between these points. In addition, there is a freight traffic of 3,000 tons per annum.

The Red Collar Steamship Line operates over Coeur d'Alene Lake and St. Joe River, between the towns of Coeur d'Alene and St. Joe, Idaho, about 50 miles. This line carries 30,000 passengers annually and 3,000 tons of general merchandise.

KOOTENAI RIVER, IDAHO AND MONT.

One hundred and fifty-two miles in the United States, of which 105 miles are above, and 47 miles are below Bonners Ferry, Idaho.

Traffic.—Year 1920, 61,069 tons; value, \$244,276.

This traffic consists of logs floated from points 30 miles above Bonners Ferry to the mills in the towns.

No statistics are available for previous years. Ten thousand tons of mixed cargo, however, consisting mostly of grain and hay, were formerly carried annually between Bonners Ferry and the international boundary. This traffic did not exist in 1920, but will be resumed after reclamation projects have been worked out for this river.

FLATHEAD LAKE, MONT.

Comparative statement of traffic.

[Navigation season: Continuous.]

Year.	Short tons.	Value.	Floated timbers.	Value.	Passengers.
INTERNAL.					
1910.....	170,000	\$1,320,000	Tons. 60,000	\$320,000	(¹)
1911.....	172,466	856,590	60,000	180,000	11,921
1912.....	254,500	(²)	(³)	(³)	(³)
1913-1919 ⁴					
1920.....	1204,000	1,100,800	143,644	574,576	10,000

¹ Includes floating timbers.

² Not reported.

³ Unknown.

⁴ No statistics available.

This lake is about 30 miles long by 10 miles wide and is an enlargement of Flathead River. The principal boat navigation is between Somers on the north side and Polson on the south side; there is also some navigation at various other parts of the lake. It is contemplated in 1921 that the Great Northern and Northern Pacific Railways will plan tourist trips between Glacier Park and Yellowstone Park which will include a boat ride on Flathead Lake. This will greatly increase passenger travel on the lake.

No detailed statistics are available.

The above totals do not include Government materials used in works of improvement.

JUNEAU, ALASKA DISTRICT.

APOON MOUTH OF YUKON RIVER, ALASKA.

Commercial statistics.—No commercial statistics were obtainable previous to 1916, and complete information is not available. The inbound traffic consisted of food supplies, oil, steel, rails, and miscellaneous merchandise. The outbound traffic was chiefly in fish and machinery. The drafts reported ranged from about 2 to 5½ feet.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1916 ¹	48,100	(²)	(²)	1919 ¹	10,957	\$3,056,129	401
1917 ¹	34,315	(²)	(²)	1920.....	(²)	(²)	688
1918 ¹	13,470	\$3,223,773	259				

¹ Incomplete.

² Unknown.

³ No report.

NOME HARBOR, ALASKA.

Comparative statement—total exports and imports.

Calendar year.	Short tons.	Value.	Passengers.	Calendar year.	Short tons.	Value.	Passengers.
1915.....	(2)	\$1,110,345		1918.....	13,557	\$1,141,312	1,901
1916.....	(1)	1,049,245		1919.....	17,452	4,365,531	1,867
1917.....	17,981	1,199,760	2,834	1920.....	13,045	2,798,000	1,931

¹ Incomplete.² Includes estimated value of 8,064 tons not included in detailed statistics.³ Includes gold (\$1,356,716) not reported prior to 1919.

The imports consist of general merchandise, lumber, fuel, and supplies. The chief exports are gold, tin, fish, reindeer meat, and furs.

Deep-sea vessels anchor about 2 miles offshore and cargoes are lightered ashore on small barges having a draft of 4 feet. The draft of the deep-sea vessels varies from 18 to 25 feet. The small coastwise boats that distribute the freight from Nome to the various ports on Bering Sea, the Arctic coast of Alaska, and the northeast Siberian ports draw from 3 to 7 feet loaded, and consist of gasoline boats and motor-driven schooners.

Port of Nome.

	Number.	Tonnage (net).
Ocean vessels arrived coastwise.....	21	30,162
Ocean vessels departed coastwise.....	18	30,290
Arrivals from foreign ports.....	25	4,280
Departures for foreign ports.....	25	2,290

Freight.	Received from United States ports.	Shipped to United States ports.
Coal, domestic.....tons.	2,511	
Lumber.....feet b. m.	734,574	
Live stock.....head.	16	
General merchandise.....tons.	7,599	1,170
Placer tin.....pounds.		70,100
Reindeer meat.....do.		257,544
Salmon, salted.....do.		9,580
Herring, salted.....do.		84,170
Salmon, canned (from mouth of Yukon).....do.		1,384,870
Salmon, mild cured (from mouth of Yukon).....do.		108,901
Salmon, salted (from mouth of Yukon).....do.		31,502

Gold dust and bullion.	Ounces.	Value.
Through customhouse.....	64,709.82	\$1,190,952.30
Through post office.....	2,650.00	44,982.00
Total.....	67,359.82	1,235,934.30

Merchandise received from foreign ports.

Value of free imports.....	\$420,666
Value of dutiable imports.....	\$1,494
Value of products from American fisheries.....	\$14,910
Foreign coal.....tons.	315
Value of merchandise exported, foreign.....	\$293,106
Estimated value, exports and imports.....	\$2,798,000

Passenger movements.

Arrived from United States ports at Nome.....	505
Arrived from United States ports via Nome for St. Michael.....	266
Departed for United States ports from Nome.....	731
Departed for United States ports via Nome from St. Michael.....	402
Arrived from foreign ports.....	26
Departed for foreign ports.....	4

Commerce of Alaska.

	Calendar year.						
	1914	1915	1916	1917	1918	1919	1920
IMPORTS.							
Merchandise from the United States.....	\$21,646,869	\$23,293,164	\$30,834,793	\$39,838,168	\$46,412,256	\$37,476,232	\$36,876,665
Merchandise from foreign ports.....	662,994	500,519	1,544,182	1,196,196	1,125,701	1,449,262	1,512,118
Gold and silver from foreign ports.....	3,576,090	4,223,620	2,986,618	2,397,237	37,605	31,665	29,580
Total.....	25,849,944	28,017,307	35,314,993	44,431,600	41,625,564	38,957,259	38,418,473
EXPORTS.							
Merchandise to the United States.....	25,427,873	34,245,272	62,507,811	76,651,968	75,026,578	60,473,623	60,929,241
Merchandise and gold and silver to foreign ports.....	1,047,746	1,225,120	1,873,013	3,093,590	1,315,975	1,578,966	1,630,725
Domestic gold and silver to United States.....	14,729,965	16,090,411	16,832,117	14,939,440	8,997,655	8,639,139	7,413,751
Foreign gold and silver to United States.....	3,456,469	3,266,012	3,969,569	2,006,864	83,300	6,332	28,065
Total.....	44,055,924	54,836,815	84,622,450	96,693,862	85,423,568	70,698,060	69,911,422
Total imports and exports.....	70,505,868	82,874,122	119,937,443	141,125,462	127,049,132	109,655,319	108,329,895

HONOLULU, HAWAII, DISTRICT.**HONOLULU HARBOR, HAWAII.***Comparative statement of traffic.*

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1915.....	1,680,256	\$90,775,709	100,537	1918.....	1,625,669	\$175,119,965	112,330
1916.....	1,733,655	140,609,315	103,420	1919.....	1,899,914	255,066,031	134,339
1917.....	1,697,048	173,685,807	123,762	1920.....	2,039,046	282,675,003	149,862

	Short tons.	Value.
Trans-Pacific.....	1,738,837	\$227,425,941
Interisland.....	300,209	55,249,062
	2,039,046	282,675,003

[Navigation season: Continuous.]

Trans-Pacific freight traffic.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products.....		2,905		\$1,605,500
Live stock.....	161		\$80,500	
Meats and products.....	2,567		1,278,500	
Poultry.....	150		225,000	
Leather and manufactures.....	1		1,250	
Fish.....	9		2,700	
Eggs.....	27		17,550	
Vegetable food products.....		18,624		4,775,400
Sugar.....	875		175,000	
Hay and feed.....	30		2,100	
Rice.....	12,582		2,516,400	
Flour.....	33		3,960	
Spirits, wines, etc.....	35		50,400	
Groceries.....	5,069		2,027,000	
Tobacco and manufactures.....	424	424	424,000	424,000
Textiles.....		10,477		3,983,625
Clothing and wearing apparel.....	85		108,125	
Cotton manufactures.....	202		252,500	
Fiber bags, etc.....	10,180		3,563,000	
Wood and paper.....		681		155,215
Lumber.....	8		400	
Paper, books, etc.....	8		5,000	
Furniture.....	665		149,815	
Nonmetallic minerals.....		87,480		1,670,918
Building materials.....	17		3,400	
Coal.....	87,382		1,660,258	
Distillate.....	14		500	
Lubricating oil.....	67		6,700	
Metals and manufactures: Iron and manufactures.....	485	485	194,000	194,000
Chemicals.....		27,433		2,816,150
Drugs and chemicals.....	38		76,000	
Fertilizer.....	27,394		2,739,400	
Explosives.....	1		750	
Unclassified.....	26,779	26,779	5,355,800	5,355,800
Total.....		173,288		20,980,668
EXPORTS.				
Animals and animal products: Fish.....	1	1	300	300
Vegetable food products.....		8,911		1,987,420
Sugar.....	1,550		465,000	
Hay and feed.....	994		68,580	
Fruits.....	2		200	
Flour.....	7		840	
Groceries.....	904		362,000	
Pines.....	5,454		1,090,800	
Textiles.....		109		190,075
Clothing and wearing apparel.....	89		106,875	
Cotton manufactures.....	18		22,500	
Fiber bags, etc.....	2		700	
Wood and paper.....		380		190,790
Paper, books, etc.....	351		184,265	
Furniture.....	29		6,525	
Nonmetallic minerals.....		103,304		1,214,553
Building materials.....	2		400	
Crude oil.....	75,013		675,117	
Lubricating oil.....	5		500	
Coal.....	28,344		538,536	
Metals and manufactures: Iron and manufactures.....	8,973	8,973	3,589,200	3,589,200
Machinery and vehicles: Automobiles.....	202	202	101,000	101,000
Chemicals.....		763		78,200
Drugs and chemicals.....	1		2,000	
Fertilizer.....	762		76,200	
Unclassified.....	4,070	4,070	814,000	814,000
Total.....		126,773		8,165,538
Total imports and exports.....		302,061		29,146,206

Trans-Pacific freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products.....		2,593		\$1,918,530
Live stock.....	565		\$282,500	
Meats and products.....	627		313,500	
Poultry.....	103		154,500	
Hides and skins.....	10		5,000	
Leather and manufactures.....	769		961,250	
Fish.....	391		117,300	
Eggs.....	128		84,480	
Vegetable food products.....		92,016		14,952,386
Sugar.....	886		265,800	
Hay and feed.....	52,405		3,608,350	
Fruits.....	1,797		179,700	
Rice.....	2,316		463,200	
Flour.....	8,772		1,052,640	
Pines.....	185		37,000	
Molasses.....	1,540		15,785	
Spirits, wines, etc.....	23		38,120	
Groceries.....	23,092		9,236,800	
Other vegetable products.....		527		527,000
Tobacco and manufactures.....	527		527,000	
Textiles.....		4,241		6,150,525
Clothing and wearing apparel.....	1,559		2,925,125	
Cotton manufactures.....	2,543		3,178,730	
Fiber bags, etc.....	139		48,650	
Wood and paper.....		114,729		7,318,185
Lumber.....	84,390		4,219,500	
Shingles.....	3,870		147,000	
Shooks.....	21,428		1,071,400	
Paper, etc.....	1,865		1,165,625	
Furniture.....	3,176		714,600	
Nonmetallic minerals.....		433,475		9,594,312
Building materials.....	17,930		3,586,000	
Cement.....	30,614		918,320	
Coal.....	24,126		361,890	
Crude oil.....	327,228		2,945,052	
Gasoline.....	22,899		1,373,940	
Kerosene.....	7,577		227,310	
Distillate.....	2,135		85,400	
Lubricating oil.....	966		96,600	
Metals and manufactures: Iron and manufactures.....	53,114	53,114	20,974,000	20,974,000
Machinery and vehicles: Automobiles.....	11,456	11,456	5,728,000	5,728,000
Chemicals.....		44,984		7,258,775
Drugs and chemicals.....	817		1,634,000	
Fertilizer.....	42,309		4,230,900	
Explosives.....	1,858		1,393,875	
Unclassified.....	138,886	138,886	27,777,200	27,777,200
Total.....		896,021		102,190,122
SHIPMENTS.				
Animals and animal products.....		324		261,850
Live stock.....	10		5,000	
Meats and products.....	3		1,500	
Hides and skins.....	496		248,000	
Leather and manufactures of.....	3		3,750	
Fish.....	12		3,600	
Vegetable food products.....		400,683		75,314,898
Molasses.....	23,433		24,188	
Sugar.....	240,923		48,184,600	
Hay and feed.....	539		37,730	
Fruits.....	1,295		129,500	
Rice.....	24		4,900	
Flour.....	151		18,120	
Pines.....	134,056		26,811,200	
Groceries.....	262		104,800	
Other vegetable products: Tobacco.....	2	2	2,000	2,000
Textiles.....		133		57,225
Clothing and wearing apparel.....	7		13,125	
Fiber bags, etc.....	126		44,100	
Wood and paper.....		2,619		147,130
Lumber.....	2,332		116,800	
Shingles.....	75		2,850	
Furniture.....	212		27,700	

Trans-Pacific freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
SHIPMENTS—continued.				
Nonmetallic minerals.....		38,781		\$445,350
Building materials.....	53		\$10,600	
Cement.....	47		1,410	
Coal.....	5,145		97,755	
Crude oil.....	32,895		296,055	
Kerosene oil.....	351		10,530	
Lubricating oil.....	290		29,000	
Metals and manufactures: Iron and manufactures.....	1,267	1,267	506,800	506,800
Chemicals: Fertilizer.....	39	39	3,900	3,900
Unclassified.....	96,707	96,707	19,341,400	19,341,400
Total.....		540,755		96,080,613
Total receipts and shipments.....		1,436,776		198,279,735

Interisland freight traffic.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products.....		2,719		\$1,359,500
Live stock.....	2,643		\$1,321,500	
Hides and skins.....	76		38,000	
Vegetable food products.....		91,977		18,409,543
Sugar.....	90,107		18,031,400	
Molasses.....	92		943	
Pineapples.....	404		80,800	
Rice.....	1,168		233,600	
Flour.....	70		8,400	
Groceries.....	136		54,400	
Textiles: Fiber bags, etc.....	67	67	23,450	23,450
Wood and paper.....		385		84,225
Lumber.....	272		13,600	
Paper, etc.....	113		70,625	
Nonmetallic minerals: Building materials.....	5	5	1,000	1,000
Metals and manufactures: Iron and manufactures.....	575	575	230,000	230,000
Chemicals: Fertilizer.....	119	119	10,948	10,948
Unclassified.....	24,443	24,443	4,888,600	4,888,600
Total.....		120,290		25,007,266
SHIPMENTS.				
Animals and animal products.....		835		1,006,250
Live stock.....	50		25,000	
Leather and manufactures.....	785		981,250	
Vegetable food products.....		3,778		720,320
Sugar.....	416		83,200	
Molasses.....	7		70	
Hay and feed.....	247		17,290	
Rice.....	3,071		614,200	
Flour.....	33		3,960	
Groceries.....	4		1,600	
Textiles.....		347		132,250
Cotton.....	12		15,000	
Fiber bags, etc.....	335		117,250	
Wood and paper.....				449,342
Lumber.....	8,980	8,989	449,000	449,342
Shingles.....	9		342	

Interisland freight traffic—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
SHIPMENTS—continued.				
Nonmetallic minerals.....		6,803		\$611,434
Building materials.....	1,753		\$350,000	
Cement.....	495		14,850	
Coal.....	4,044		232,430	
Crude oil.....	125		1,134	
Gasoline.....	226		13,560	
Kerosene.....	229		6,870	
Lubrication.....	20		2,000	
Metals and manufactures: Iron and manufactures.....	785	785	314,000	314,000
Chemicals: Fertilizers.....	46,502	46,502	4,650,200	4,650,200
Unclassified.....	111,790	111,790	22,358,000	22,358,000
Total.....		179,919		30,241,796
Total receipts and shipments.....		300,209		55,249,062

SUMMARY.

Classes of commodities.	Foreign.				Interisland.			
	Imports.		Exports.		Receipts.		Shipments.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	2,905	\$1,605,500	1	\$300	2,719	\$1,350,500	835	\$1,006,250
Vegetable products.....	18,624	4,778,480	8,911	1,987,420	91,977	18,409,543	3,728	720,320
Other vegetable products.....	424	424,000						
Textiles.....	10,477	3,983,625	109	190,075	67	23,450	347	132,250
Wood and paper.....	681	155,215	380	190,790	385	84,225	8,969	449,343
Nonmetallic minerals.....	87,480	1,670,918	103,364	1,214,553	5	1,000	6,803	611,434
Ores, metals, and manufactures.....	485	194,000	8,973	3,589,200	575	230,000	785	314,000
Machinery and vehicles.....			202	101,000				
Chemicals.....	27,438	2,818,150	783	78,200	119	10,943	46,502	4,650,200
Unclassified.....	26,779	5,355,800	4,070	814,000	24,443	4,888,000	111,790	22,358,000
Total.....	175,288	20,980,668	126,773	8,165,538	120,290	25,007,206	179,919	30,241,796

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products.....	2,593	\$1,918,530	524	\$261,850	9,577	\$6,151,939
Vegetable products.....	92,016	14,952,395	400,693	75,314,938	618,969	116,169,696
Other vegetable products.....	537	527,000	2	2,000	953	953,000
Textiles.....	4,241	6,150,525	133	57,225	15,374	16,537,150
Wood and paper.....	114,729	7,318,185	2,619	147,150	127,788	8,344,907
Nonmetallic minerals.....	452,475	9,594,512	38,781	445,350	669,996	13,537,767
Ores, metals, and manufactures.....	53,114	20,974,000	1,267	506,800	65,199	25,886,000
Machinery and vehicles.....	11,456	5,728,000			11,658	5,996,000
Chemicals.....	44,984	7,258,775	39	3,900	119,840	14,818,195
Unclassified.....	126,886	27,777,200	96,707	19,341,400	402,675	89,536,000
Total.....	896,021	102,199,122	540,755	96,060,613	2,039,046	262,675,986

Vessel classification—Number and tonnage of vessels entering and leaving during the year.

Class.	Domestic.	Foreign.	Total.	Net registered tonnage.
TRANSPACIFIC.				
Inward from a domestic port:				
Steam.....	475	72	547	2,088,857
Sail.....	27	1	28	27,744
Total.....	502	73	575	2,116,601
Outward for a domestic port:				
Steam.....	397	43	440	1,717,710
Sail.....	36	1	36	38,143
Total.....	432	44	476	1,755,853
Inward from a foreign port:				
Steam.....	151	84	235	926,465
Sail.....	22	1	23	22,809
Total.....	173	85	258	949,274
Outward for a foreign port:				
Steam.....	220	108	328	1,295,315
Sail.....	3	1	4	5,328
Total.....	223	109	332	1,300,643
INTERISLAND.				
Inward.....			689	393,576
Outward.....			687	393,135
Total.....			1,376	786,711

Passenger traffic.

	Trans-Pacific.	Inter-island.	Total.
Arrivals.....	27,420	49,846	77,266
Departures.....	26,212	46,384	72,596
Total.....	53,632	96,230	149,862

Draft and number of vessels entering and clearing during the year.

Trans-Pacific vessels:

33 feet.....	2
32 feet.....	6
31 feet.....	10
30 feet.....	48
29 feet.....	86
28 feet.....	110
27 feet.....	168
26 feet.....	186
25 feet.....	194
24 feet.....	214
23 feet.....	118
22 feet.....	104
21 feet.....	90
20 feet.....	76
Less than 20 feet.....	229

Interisland vessels (all less than 20 feet).....	1,641
Total.....	3,017

KAHULUI HARBOR, HAWAII.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1915.....	254,975	\$18,311,484	9,844	1918.....	232,835	\$27,829,517	12,183
1916.....	247,159	21,291,046	9,007	1919.....	242,943	32,116,437	12,734
1917.....	243,441	21,656,117	10,843	1920.....	228,286	37,257,112	17,860
						Short tons.	Value.
Trans-Pacific.....						192,979	\$30,302,535
Interisland.....						35,307	6,954,577
Total.....						228,286	37,257,112

[Navigation season: Continuous.]

Trans-Pacific freight traffic.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products.....		394		\$262,735
Live stock.....	164		\$42,000	
Meat and products.....	95		47,625	
Poultry.....	16		24,000	
Hides and skins.....	10		5,000	
Leather.....	71		88,750	
Fish.....	27		8,100	
Eggs.....	11		7,260	
Vegetable food products.....		9,174		1,684,260
Sugar.....	180		36,000	
Hay and feed.....	4,766		333,620	
Fruits.....	432		43,200	
Rice.....	175		35,000	
Flour.....	757		90,840	
Groceries.....	2,864		1,145,600	
Other vegetable products: Tobacco, etc.....	43	43	43,000	43,000
Textiles.....		159		249,750
Clothing.....	120		201,000	
Cotton manufactures.....	39		48,750	
Wood and paper.....		19,544		1,207,675
Lumber.....	17,998		899,900	
Shingles.....	625		23,750	
Paper, etc.....	192		120,000	
Furniture.....	729		161,025	
Nonmetallic minerals.....		28,422		1,188,194
Building materials.....	2,653		530,600	
Cement.....	3,013		90,390	
Coal.....	254		3,810	
Oil, crude.....	15,586		140,274	
Gasoline.....	5,034		302,040	
Kerosene.....	814		24,420	
Distillate.....	169		6,760	
Lubricating.....	899		89,900	
Metals and manufactures: Iron and manufactures.....	4,383	4,383	1,753,200	1,753,200
Chemicals.....		5,952		893,950
Drugs and chemicals.....	109		218,000	
Fertilizer.....	5,702		570,200	
Explosives.....	141		105,750	
Unclassified.....	15,193	15,193	3,038,600	3,038,600
Total.....		83,364		

Trans-Pacific freight traffic—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
SHIPMENTS.				
Animals and animal products: Hides and skins	10	10	\$5,000	\$3,000
Vegetable food products.....		108,814		19,299,371
Sugar	77,128		15,425,600	
Hay and feed	27		1,390	
Groceries	722		288,800	
Molasses	13,725		140,681	
Pineapples	17,212		3,442,400	
Metals and manufactures: Iron and manufactures	178	178	554,200	554,200
Unclassified.....	613	613	122,600	122,600
Total		109,615		19,981,171
Total receipts and shipments.....		192,979		30,302,535

Number and tonnage of vessels entering and leaving during the year.

	Number of vessels.	Net registered tonnage.
Inward:		
Steam	89	290,131
Sail	2	1,048
Total	91	291,174
Outward:		
Steam	86	283,319
Sail	2	1,084
Total outward	88	284,403
Total inward and outward	179	575,577

Passenger traffic.

Arrivals	693
Departures	512
Total	1,205

KAHULUI HARBOR, HAWAII.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1915.....	254,975	\$18,311,484	9,844	1918.....	232,835	\$27,829,517	12,183
1916.....	247,159	21,291,046	9,007	1919.....	242,943	32,116,437	12,734
1917.....	243,441	21,656,117	10,843	1920.....	228,286	37,257,112	17,860

	Short tons.	Value.
Trans-Pacific.....	192,979	\$30,302,535
Interisland.....	35,307	6,954,577
Total.....	228,286	37,257,112

[Navigation season: Continuous.]

Trans-Pacific freight traffic.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products.....		394		\$262,735
Live stock.....	164		\$42,000	
Meat and products.....	95		47,625	
Poultry.....	16		24,000	
Hides and skins.....	10		5,000	
Leather.....	71		88,750	
Fish.....	27		8,100	
Eggs.....	11		7,260	
Vegetable food products.....		9,174		1,684,260
Sugar.....	180		36,000	
Hay and feed.....	4,766		333,620	
Fruits.....	432		43,200	
Rice.....	175		35,000	
Flour.....	757		90,840	
Groceries.....	2,864		1,145,600	
Other vegetable products: Tobacco, etc.....	43	43	43,000	43,000
Textiles.....		159		249,750
Clothing.....	120		201,000	
Cotton manufactures.....	39		48,750	
Wood and paper.....		19,544		1,207,675
Lumber.....	17,908		899,900	
Shingles.....	625		23,750	
Paper, etc.....	192		120,000	
Furniture.....	729		161,025	
Nonmetallic minerals.....		28,422		1,188,194
Building materials.....	2,653		530,600	
Cement.....	3,013		90,390	
Coal.....	254		3,810	
Oil, crude.....	15,586		140,274	
Gasoline.....	5,034		302,040	
Kerosene.....	814		24,420	
Distillate.....	169		6,760	
Lubricating.....	899		89,900	
Metals and manufactures: Iron and manufactures.....	4,383	4,383	1,753,200	1,753,200
Chemicals.....		5,952		893,950
Drugs and chemicals.....	109		218,000	
Fertilizer.....	5,702		570,200	
Explosives.....	141		105,750	
Unclassified.....	15,193	15,193	3,038,600	3,038,600
Total.....		83,364		10,321,364

Trans-Pacific freight traffic—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
SHIPMENTS.				
Animals and animal products: Hides and skins	10	10	\$5,000	\$5,000
Vegetable food products.....		108,814		19,299,371
Sugar.....	77,128		15,425,600	
Hay and feed.....	27		1,890	
Groceries.....	722		288,800	
Molasses.....	13,725		140,681	
Pineapples.....	17,212		3,442,400	
Metals and manufactures: Iron and manufactures.....	178	178	554,200	554,200
Unclassified.....	613	613	122,600	122,600
Total.....		109,615		19,981,171
Total receipts and shipments.....		192,979		30,302,535

Number and tonnage of vessels entering and leaving during the year.

	Number of vessels.	Net registered tonnage.
Inward:		
Steam.....	89	290,131
Sail.....	2	1,048
Total.....	91	291,174
Outward:		
Steam.....	86	283,319
Sail.....	2	1,084
Total outward.....	88	284,403
Total inward and outward.....	179	573,577

Passenger traffic.

Arrivals.....	693
Departures.....	512
Total.....	1,205

KAHULUI HARBOR, HAWAII.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1915.....	254, 975	\$18, 311, 484	9, 844	1918.....	232, 835	\$27, 829, 517	12, 183
1916.....	247, 159	21, 291, 046	9, 007	1919.....	242, 943	32, 116, 437	12, 734
1917.....	243, 441	21, 656, 117	10, 843	1920.....	228, 286	37, 257, 112	17, 860

	Short tons.	Value.
Trans-Pacific.....	192, 979	\$30, 302, 585
Interisland.....	35, 307	6, 954, 577
Total.....	228, 286	37, 257, 112

[Navigation season: Continuous.]

Trans-Pacific freight traffic.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products.....		394		\$262, 735
Live stock.....	164		\$42, 000	
Meat and products.....	95		47, 625	
Poultry.....	16		24, 000	
Hides and skins.....	10		5, 000	
Leather.....	71		88, 750	
Fish.....	27		8, 100	
Eggs.....	11		7, 260	
Vegetable food products.....		9, 174		1, 684, 280
Sugar.....	180		36, 000	
Hay and feed.....	4, 766		333, 620	
Fruits.....	432		43, 200	
Rice.....	175		35, 000	
Flour.....	757		90, 840	
Groceries.....	2, 864		1, 145, 600	
Other vegetable products: Tobacco, etc.....	43	43	43, 000	43, 000
Textiles.....		159		249, 750
Clothing.....	120		201, 000	
Cotton manufactures.....	39		48, 750	
Wood and paper.....		19, 544		1, 207, 675
Lumber.....	17, 998		899, 900	
Shingles.....	625		23, 750	
Paper, etc.....	192		120, 000	
Furniture.....	729		161, 025	
Nonmetallic minerals.....		28, 422		1, 188, 194
Building materials.....	2, 653		530, 600	
Cement.....	3, 013		90, 390	
Coal.....	254		3, 810	
Oil, crude.....	15, 586		140, 274	
Gasoline.....	5, 034		302, 040	
Kerosene.....	814		24, 420	
Distillate.....	169		6, 760	
Lubricating.....	899		99, 900	
Metals and manufactures: Iron and manufactures.....	4, 383	1, 383	1, 753, 200	1, 753, 200
Chemicals.....		5, 952		893, 950
Drugs and chemicals.....	109		218, 000	
Fertilizer.....	5, 702		570, 200	
Explosives.....	141		105, 750	
Unclassified.....	15, 193	15, 193	3, 038, 600	3, 038, 600
Total.....		83, 364		10, 321, 364

Trans-Pacific freight traffic—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
SHIPMENTS.				
Animals and animal products: Hides and skins	10	10	\$5,000	\$5,000
Vegetable food products		108,814		19,299,371
Sugar	77,128		15,425,600	
Hay and feed	27		1,890	
Groceries	722		288,800	
Molasses	13,725		140,681	
Pineapples	17,212		3,442,400	
Metals and manufactures: Iron and manufactures	178	178	554,200	554,200
Unclassified	613	613	122,600	122,600
Total		109,615		19,981,171
Total receipts and shipments		192,979		30,302,535

Number and tonnage of vessels entering and leaving during the year.

	Number of vessels.	Net registered tonnage.
Inward:		
Steam	89	290,131
Sail	2	1,048
Total	91	291,174
Outward:		
Steam	86	283,319
Sail	2	1,084
Total outward	88	284,403
Total inward and outward	179	573,577

Passenger traffic.

Arrivals	693
Departures	512
Total	1,205

Interisland freight traffic.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products: Live stock.....	26	26	\$13,000	\$13,000
Vegetable food products, etc.....		1,662		322,660
Sugar.....	205		41,000	
Rice.....	1,362		272,400	
Hay and feed.....	87		6,000	
Groceries.....	8		3,200	
Textiles: Clothing.....	15	15	28,125	28,125
Chemicals: Fertilizer.....	4,093	4,093	376,556	376,556
Unclassified.....	22,113	22,113	4,422,600	4,422,600
Total.....		27,909		5,162,971
SHIPMENTS.				
Animals and animal products.....		835		417,500
Live stock.....	789		394,500	
Hides and skins.....	46		23,000	
Vegetable and food products.....		25		3,780
Hay and feed.....	14		880	
Groceries.....	3		1,200	
Rice.....	8		1,600	
Nonmetallic minerals: Coal.....	2	2	38	38
Metals and manufactures: Iron and manufactures.....	390	390	156,000	156,000
Chemicals: Fertilizer.....	139	139	12,828	12,828
Unclassified.....	6,007	6,007	1,201,400	1,201,400
Total.....		7,398		1,791,536
Total receipts and shipments.....		35,307		6,954,577

Vessel classification—Number and tonnage of vessels entering and leaving during the year.

	Number of steamers.	Net registered tonnage.
Inward.....	160	98,304
Outward.....	160	98,304
Total.....	320	196,608

Passenger traffic.

Arrivals.....	7,792
Departures.....	8,863
Total.....	16,655

SUMMARY.

Classes of commodities.	Trans-Pacific.			
	Receipts.		Shipments.	
	Tons.	Value.	Tons.	Value.
Animals and animal products.....	394	\$262,735	10	\$5,000
Vegetable food products.....	9,174	1,684,260	108,814	19,290,371
Other vegetable products.....	43	43,000		
Textiles.....	150	249,750		
Wood and paper.....	19,544	1,207,675		
Nonmetallic minerals.....	28,422	1,188,194		
Ores, metals, and manufactures.....	4,383	1,753,200	178	564,200
Chemicals.....	5,952	893,950		
Unclassified.....	15,193	3,038,000	613	122,600
Total.....	88,364	10,321,364	109,615	19,981,171

SUMMARY—Continued.

Classes of commodities.	Interisland.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products.....	26	\$13,000	835	\$417,500	1,265	\$698,235
Vegetable food products.....	1,662	322,600	25	3,780	119,675	21,310,101
Other vegetable products.....					43	43,000
Textiles.....	15	28,125			174	277,875
Wood and paper.....					19,544	1,207,675
Nonmetallic minerals.....			2	38	23,424	1,188,232
Ores, metals, and manufactures.....			390	156,000	4,961	2,463,400
Chemicals.....	4,093	376,536	139	12,818	10,184	1,283,394
Unclassified.....	22,113	4,422,600	6,007	1,201,400	43,926	8,785,200
Total.....	27,909	5,162,971	7,398	1,791,536	228,286	37,237,112

Number and tonnage of vessels entering and clearing during the year.

	Inward.		Outward.		Total.	
	Number.	Tons.	Number.	Tons.	Number.	Tons.
Trans-Pacific.....	91	291,174	88	284,408	179	575,577
Interisland.....	160	96,304	160	96,304	320	196,608
Total.....	251	386,478	248	380,707	499	772,185

Draft and number of vessels entering and clearing during the year.

Trans-Pacific vessels:	
28 feet.....	2
27 feet.....	12
26 feet.....	20
25 feet.....	18
24 feet.....	20
23 feet.....	6
22 feet.....	30
21 feet.....	10
20 feet.....	24
Less than 20 feet.....	37
Total.....	179
Interisland vessels (all less than 20 feet).....	320
Total.....	499

HILO HARBOR, HAWAII.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1915.....	428,417	\$29,194,940	21,598	1918.....	348,143	\$41,933,752	31,854
1916.....	314,670	31,527,248	27,625	1919.....	388,983	56,051,065	37,780
1917.....	367,955	41,611,824	38,559	1920.....	316,162	64,554,724	41,524
						Short tons.	Value.
Trans-Pacific.....						230,292	\$47,129,057
Interisland.....						85,870	17,425,667
Total.....						316,162	64,554,724

KOOTENAI RIVER, IDAHO AND MONT.

One hundred and fifty-two miles in the United States, of which 105 miles are above, and 47 miles are below Bonners Ferry, Idaho.

Traffic.—Year 1920, 61,069 tons; value, \$244,276.

This traffic consists of logs floated from points 30 miles above Bonners Ferry to the mills in the towns.

No statistics are available for previous years. Ten thousand tons of mixed cargo, however, consisting mostly of grain and hay, were formerly carried annually between Bonners Ferry and the international boundary. This traffic did not exist in 1920, but will be resumed after reclamation projects have been worked out for this river.

FLATHEAD LAKE, MONT.

Comparative statement of traffic.

[Navigation season: Continuous.]

Year.	Short tons.	Value.	Floated timbers.	Value.	Passengers.
INTERNAL.					
			Tons.		
1910.....	170,000	\$1,320,000	60,000	\$320,000	(²)
1911.....	172,466	856,500	60,000	180,000	11,921
1912.....	254,500	(²)	(²)	(²)	(²)
1913-1919 ⁴					
1920.....	1204,000	1,100,800	143,644	574,576	10,000

¹ Includes floating timbers.

² Not reported.

³ Unknown.

⁴ No statistics available.

This lake is about 30 miles long by 10 miles wide and is an enlargement of Flathead River. The principal boat navigation is between Somers on the north side and Polson on the south side; there is also some navigation at various other parts of the lake. It is contemplated in 1921 that the Great Northern and Northern Pacific Railways will plan tourist trips between Glacier Park and Yellowstone Park which will include a boat ride on Flathead Lake. This will greatly increase passenger travel on the lake.

No detailed statistics are available.

The above totals do not include Government materials used in works of improvement.

JUNEAU, ALASKA DISTRICT.

APOON MOUTH OF YUKON RIVER, ALASKA.

Commercial statistics.—No commercial statistics were obtainable previous to 1916, and complete information is not available. The inbound traffic consisted of food supplies, oil, steel, rails, and miscellaneous merchandise. The outbound traffic was chiefly in fish and machinery. The drafts reported ranged from about 2 to 5½ feet.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1916 ¹	48,100	(²)	(²)	1919 ¹	10,957	\$3,056,129	461
1917 ¹	34,315	(²)	(²)	1920.....	(²)	(²)	668
1918 ¹	13,470	\$3,223,773	259				

¹ Incomplete.

² Unknown.

³ No report.

NOME HARBOR, ALASKA.

Comparative statement—total exports and imports.

Calendar year.	Short tons.	Value.	Passengers.	Calendar year.	Short tons.	Value.	Passengers.
1915.....	(2)	\$1,110,345		1918.....	¹ 13,557	² \$1,141,312	1,901
1916.....	(1)	1,049,245		1919.....	17,452	³ 4,385,551	1,867
1917.....	17,981	1,199,760	2,834	1920.....	13,045	2,798,000	1,931

¹ Incomplete.

² Includes estimated value of 8,064 tons not included in detailed statistics.

³ Includes gold (\$1,356,716) not reported prior to 1919.

The imports consist of general merchandise, lumber, fuel, and supplies. The chief exports are gold, tin, fish, reindeer meat, and furs.

Deep-sea vessels anchor about 2 miles offshore and cargoes are lightered ashore on small barges having a draft of 4 feet. The draft of the deep-sea vessels varies from 18 to 25 feet. The small coastwise boats that distribute the freight from Nome to the various ports on Bering Sea, the Arctic coast of Alaska, and the northeast Siberian ports draw from 3 to 7 feet loaded, and consist of gasoline boats and motor-driven schooners.

Port of Nome.

	Number.	Tonnage (net).
Ocean vessels arrived coastwise.....	21	30,162
Ocean vessels departed coastwise.....	18	30,290
Arrivals from foreign ports.....	25	4,290
Departures for foreign ports.....	25	2,290

Freight.	Received from United States ports.	Shipped to United States ports.
Coal, domestic.....tons.....	2,511	
Lumber.....feet b. m.....	734,574	
Live stock.....head.....	16	
General merchandise.....tons.....	7,599	1,170
Placer tin.....pounds.....		70,100
Reindeer meat.....do.....		257,544
Salmon, salted.....do.....		9,580
Herring, salted.....do.....		84,170
Salmon, canned (from mouth of Yukon).....do.....		1,384,870
Salmon, mild cured (from mouth of Yukon).....do.....		108,901
Salmon, salted (from mouth of Yukon).....do.....		31,502

Gold dust and bullion.	Ounces.	Value.
Through customhouse.....	64,709.82	\$1,190,952.30
Through post office.....	2,650.00	44,982.00
Total.....	67,359.82	1,235,934.30

Merchandise received from foreign ports.

Value of free imports.....	\$420,666
Value of dutiable imports.....	\$1,494
Value of products from American fisheries.....	\$14,910
Foreign coal.....tons.....	315
Value of merchandise exported, foreign.....	\$293,106
Estimated value, exports and imports.....	\$2,798,000

Passenger movements.

Arrived from United States ports at Nome	505
Arrived from United States ports via Nome for St. Michael	266
Departed for United States ports from Nome	731
Departed for United States ports via Nome from St. Michael	402
Arrived from foreign ports	26
Departed for foreign ports	4

Commerce of Alaska.

	Calendar year.						
	1914	1915	1916	1917	1918	1919	1920
IMPORTS.							
Merchandise from the United States.....	\$21,640,860	\$23,293,166	\$30,634,793	\$39,838,168	\$49,412,259	\$37,476,232	\$36,676,665
Merchandise from foreign ports.....	662,994	500,519	1,344,182	1,196,195	1,125,701	1,449,262	1,512,118
Gold and silver from foreign ports.....	3,576,090	4,223,630	2,996,918	2,897,237	37,805	31,665	29,580
Total.....	25,849,944	28,017,307	35,314,992	44,431,600	41,625,564	38,957,259	38,418,473
EXPORTS.							
Merchandise to the United States.....	25,427,873	34,245,272	62,507,811	76,651,968	75,026,578	60,473,623	60,929,241
Merchandise and gold and silver to foreign ports.....	1,047,746	1,225,120	1,873,013	3,093,590	1,315,975	1,578,986	1,539,735
Domestic gold and silver to United States.....	14,729,965	16,090,411	16,332,117	14,939,440	8,997,655	9,636,139	7,413,751
Foreign gold and silver to United States.....	3,459,499	3,296,012	3,969,569	2,008,864	83,360	6,332	28,096
Total.....	44,055,924	54,836,815	84,622,450	96,693,862	85,423,568	70,695,040	69,911,422
Total imports and exports.....	70,505,868	82,874,122	119,937,443	141,125,462	127,049,132	109,652,309	108,329,895

HONOLULU, HAWAII, DISTRICT.**HONOLULU HARBOR, HAWAII.***Comparative statement of traffic.*

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1915.....	1,680,256	\$90,775,709	100,537	1918.....	1,625,669	\$175,119,965	112,530
1916.....	1,733,655	140,009,315	103,420	1919.....	1,899,914	255,095,031	134,329
1917.....	1,697,048	173,683,807	123,762	1920.....	2,039,046	282,673,003	149,882
						Short tons.	Value.
Trans-Pacific.....						1,788,837	\$227,425,941
Interisland.....						300,209	55,249,062
						2,039,046	282,673,003

[Navigation season: Continuous.]

Trans-Pacific freight traffic.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products.....		2,905		\$1,605,500
Live stock.....	161		\$80,500	
Meats and products.....	2,557		1,278,500	
Poultry.....	150		225,000	
Leather and manufactures.....	1		1,250	
Fish.....	9		2,700	
Eggs.....	27		17,550	
Vegetable food products.....		18,624		4,775,460
Sugar.....	875		175,000	
Hay and feed.....	30		2,100	
Rice.....	12,582		2,516,400	
Flour.....	33		3,960	
Spirits, wines, etc.....	35		50,400	
Groceries.....	5,069		2,027,600	
Tobacco and manufactures.....	424	424	424,000	424,000
Textiles.....		10,477		3,983,625
Clothing and wearing apparel.....	95		168,125	
Cotton manufactures.....	202		232,500	
Fiber bags, etc.....	10,180		3,563,000	
Wood and paper.....		681		155,215
Lumber.....	8		400	
Paper, books, etc.....	8		5,000	
Furniture.....	665		149,815	
Nonmetallic minerals.....		87,480		1,670,918
Building materials.....	17		3,400	
Coal.....	87,382		1,660,258	
Distillate.....	14		500	
Lubricating oil.....	67		6,700	
Metals and manufactures: Iron and manufactures.....	485	485	194,000	194,000
Chemicals.....		27,433		2,816,150
Drugs and chemicals.....	38		76,000	
Fertilizer.....	27,394		2,739,400	
Explosives.....	1		750	
Unclassified.....	26,779	26,779	5,355,800	5,355,800
Total.....		175,288		20,980,668
EXPORTS.				
Animals and animal products: Fish.....	1	1	300	300
Vegetable food products.....		8,911		1,987,420
Sugar.....	1,550		465,000	
Hay and feed.....	994		68,580	
Fruits.....	2		200	
Flour.....	7		840	
Groceries.....	904		362,000	
Fines.....	5,454		1,080,800	
Textiles.....		109		190,075
Clothing and wearing apparel.....	89		166,875	
Cotton manufactures.....	18		22,500	
Fiber bags, etc.....	2		700	
Wood and paper.....		380		190,790
Paper, books, etc.....	351		184,265	
Furniture.....	29		6,525	
Nonmetallic minerals.....		103,364		1,214,553
Building materials.....	2		400	
Crude oil.....	75,013		675,117	
Lubricating oil.....	5		500	
Coal.....	28,344		538,536	
Metals and manufactures: Iron and manufactures.....	8,973	8,973	3,589,200	3,589,200
Machinery and vehicles: Automobiles.....	202	202	101,000	101,000
Chemicals.....		763		78,200
Drugs and chemicals.....	1		2,000	
Fertilizer.....	762		76,200	
Unclassified.....	4,070	4,070	814,000	814,000
Total.....		126,773		8,165,538
Total imports and exports.....		302,061		29,146,206

Trans-Pacific freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products.....		2,593		\$1,918,530
Live stock.....	565		\$282,500	
Meats and products.....	627		313,500	
Poultry.....	103		154,500	
Hides and skins.....	10		5,000	
Leather and manufactures.....	769		961,250	
Fish.....	391		117,300	
Eggs.....	128		84,480	
Vegetable food products.....		92,016		14,962,396
Sugar.....	886		265,800	
Hay and feed.....	52,405		3,668,350	
Fruits.....	1,797		179,700	
Rice.....	2,316		463,200	
Flour.....	8,772		1,052,640	
Pines.....	185		37,000	
Molasses.....	1,540		15,785	
Spirits, wines, etc.....	23		33,120	
Groceries.....	23,092		9,236,800	
Other vegetable products.....		527		527,000
Tobacco and manufactures.....	527		527,000	
Textiles.....		4,241		6,150,525
Clothing and wearing apparel.....	1,559		2,923,125	
Cotton manufactures.....	2,543		3,178,750	
Fiber bags, etc.....	139		48,650	
Wood and paper.....		114,729		7,318,185
Lumber.....	84,390		4,219,500	
Shingles.....	3,870		147,060	
Shooks.....	21,428		1,071,400	
Paper, etc.....	1,805		1,165,625	
Furniture.....	3,176		714,600	
Nonmetallic minerals.....		433,475		9,594,512
Building materials.....	17,930		3,586,000	
Cement.....	30,614		918,320	
Coal.....	24,126		361,890	
Crude oil.....	327,228		2,945,052	
Gasoline.....	22,899		1,373,940	
Kerosene.....	7,577		227,310	
Distillate.....	2,135		85,400	
Lubricating oil.....	966		96,600	
Metals and manufactures: Iron and manufactures.....	53,114	53,114	20,974,000	20,974,000
Machinery and vehicles: Automobiles.....	11,456	11,456	5,728,000	5,728,000
Chemicals.....		44,984		7,268,775
Drugs and chemicals.....	817		1,634,000	
Fertilizer.....	42,309		4,230,900	
Explosives.....	1,858		1,393,875	
Unclassified.....	138,886	138,886	27,777,200	27,777,200
Total.....		896,021		102,190,122
SHIPMENTS.				
Animals and animal products.....		524		261,850
Live stock.....	10		5,000	
Meats and products.....	3		1,500	
Hides and skins.....	496		248,000	
Leather and manufactures of.....	3		3,750	
Fish.....	12		3,600	
Vegetable food products.....		400,683		75,314,984
Molasses.....	23,433		24,188	
Sugar.....	240,923		48,184,600	
Hay and feed.....	539		37,730	
Fruits.....	1,295		129,500	
Rice.....	24		4,900	
Flour.....	151		18,120	
Pines.....	134,056		26,311,200	
Groceries.....	262		104,900	
Other vegetable products: Tobacco.....	2	2	2,000	2,000
Textiles.....		133		57,225
Clothing and wearing apparel.....	7		13,125	
Fiber bags, etc.....	126		44,100	
Wood and paper.....		2,619		147,150
Lumber.....	2,332		116,600	
Shingles.....	75		2,850	
Furniture.....	212		27,700	

Trans-Pacific freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
SHIPMENTS—continued.				
Nonmetallic minerals.....		38,781		\$445,350
Building materials.....	33		\$10,600	
Cement.....	47		1,410	
Coal.....	5,145		97,755	
Crude oil.....	32,895		296,055	
Kerosene oil.....	351		10,330	
Lubricating oil.....	290		29,000	
Metals and manufactures: Iron and manufactures.....	1,267	1,267	506,800	506,800
Chemicals: Fertilizer.....	39	39	3,900	3,900
Unclassified.....	96,707	96,707	19,341,400	19,341,400
Total.....		540,755		96,080,613
Total receipts and shipments.....		1,436,776		198,279,735

Interisland freight traffic.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products.....		2,719		\$1,359,500
Live stock.....	2,643		\$1,321,500	
Hides and skins.....	76		38,000	
Vegetable food products.....		91,977		18,409,543
Sugar.....	90,107		18,031,400	
Molasses.....	92		80,800	
Pineapples.....	404		233,600	
Rice.....	1,168		8,400	
Flour.....	70		54,400	
Groceries.....	136		23,450	
Textiles: Fiber bags, etc.....	67	67		23,450
Wood and paper.....		385		84,225
Lumber.....	272		13,600	
Paper, etc.....	113		70,625	
Nonmetallic minerals: Building materials.....	5	5	1,000	1,000
Metals and manufactures: Iron and manufactures.....	575	575	230,000	230,000
Chemicals: Fertilizer.....	119	119	10,948	10,948
Unclassified.....	24,443	24,443	4,888,600	4,888,600
Total.....		120,290		25,007,266
SHIPMENTS.				
Animals and animal products.....		835		1,006,250
Live stock.....	50		25,000	
Leather and manufactures.....	785		981,250	
Vegetable food products.....		3,778		720,320
Sugar.....	416		83,200	
Molasses.....	7		70	
Hay and feed.....	247		17,290	
Rice.....	3,071		614,200	
Flour.....	33		3,960	
Groceries.....	4		1,600	
Textiles.....		347		132,250
Cotton.....	12		15,000	
Fiber bags, etc.....	335		117,250	
Wood and paper.....		8,989		449,342
Lumber.....	8,990		449,000	
Shingles.....	9		342	

Interisland freight traffic—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
SHIPMENTS—continued.				
Nonmetallic minerals.....		6,993		\$611,434
Building materials.....	1,753		\$350,600	
Cement.....	495		14,850	
Coal.....	4,044		232,430	
Crude oil.....	126		1,134	
Gasoline.....	226		13,560	
Kerosene.....	229		6,870	
Lubrication.....	20		2,000	
Metals and manufactures: Iron and manufactures.....	785	785	314,000	314,000
Chemicals: Fertilizer.....	46,502	46,502	4,650,200	4,650,200
Unclassified.....	111,790	111,790	22,358,000	22,358,000
Total.....		179,919		30,241,796
Total receipts and shipments.....		300,209		55,249,062

SUMMARY.

Classes of commodities.	Foreign.				Interisland.			
	Imports.		Exports.		Receipts.		Shipments.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	2,906	\$1,605,500	1	\$300	2,719	\$1,359,500	835	\$1,008,250
Vegetable products.....	18,624	4,775,480	8,911	1,967,420	91,977	18,409,543	3,773	720,330
Other vegetable products.....	424	424,000						
Textiles.....	10,477	3,983,625	109	190,075	67	23,450	347	132,250
Wood and paper.....	681	155,215	380	190,790	385	84,225	8,989	449,347
Nonmetallic minerals.....	87,480	1,670,918	103,364	1,214,553	5	1,000	6,993	611,434
Ores, metals, and manufactures.....	485	194,000	8,973	3,599,200	575	230,000	785	314,000
Machinery and vehicles.....	27,433	2,816,150	202	101,000				
Chemicals.....	26,779	5,355,800	4,070	814,000	119	10,948	46,502	4,650,200
Unclassified.....					24,443	4,888,600	111,790	22,358,000
Total.....	175,288	20,990,668	126,773	8,165,538	120,290	25,007,206	179,919	30,241,796

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products.....	2,593	\$1,913,530	524	\$261,850	9,577	\$2,181,939
Vegetable products.....	92,016	14,962,395	400,683	75,314,938	615,969	116,169,696
Other vegetable products.....	537	527,000	2	2,000	953	943,000
Textiles.....	4,241	6,150,525	133	57,225	15,374	10,537,150
Wood and paper.....	114,729	7,318,185	2,619	147,150	127,783	8,344,967
Nonmetallic minerals.....	433,475	9,594,512	38,781	445,350	669,996	13,537,767
Ores, metals, and manufactures.....	53,114	20,974,000	1,267	506,800	65,199	25,896,000
Machinery and vehicles.....	11,456	5,728,000			11,658	5,999,000
Chemicals.....	44,984	7,258,775	39	3,900	119,840	14,818,185
Unclassified.....	126,896	27,777,200	96,707	19,341,400	402,675	89,536,000
Total.....	896,021	102,199,122	540,755	96,080,613	2,039,046	232,673,693

Vessel classification—Number and tonnage of vessels entering and leaving during the year.

Class.	Domestic.	Foreign.	Total.	Net registered tonnage.
TRANSPACIFIC.				
Inward from a domestic port:				
Steam.....	475	72	547	2,088,857
Sail.....	27	1	28	27,744
Total.....	502	73	575	2,116,601
Outward for a domestic port:				
Steam.....	397	43	440	1,717,710
Sail.....	36	1	36	39,143
Total.....	432	44	476	1,755,853
Inward from a foreign port:				
Steam.....	151	84	235	926,466
Sail.....	22	1	23	22,809
Total.....	173	85	258	949,274
Outward for a foreign port:				
Steam.....	220	108	328	1,295,315
Sail.....	3	1	4	5,328
Total.....	223	109	332	1,300,643
INTERISLAND.				
Inward.....			689	393,576
Outward.....			687	393,135
Total.....			1,376	786,731

Passenger traffic.

	Trans-Pacific.	Inter-island.	Total.
Arrivals.....	27,420	49,846	77,266
Departures.....	26,212	46,384	72,596
Total.....	53,632	96,230	149,862

Draft and number of vessels entering and clearing during the year.

Trans-Pacific vessels:		
33 feet.....		2
32 feet.....		6
31 feet.....		10
30 feet.....		48
29 feet.....		86
28 feet.....		110
27 feet.....		168
26 feet.....		186
25 feet.....		194
24 feet.....		214
23 feet.....		118
22 feet.....		104
21 feet.....		90
20 feet.....		76
Less than 20 feet.....		229
		1,641
Interisland vessels (all less than 20 feet).....		1,376
Total.....		3,017

KAHULUI HARBOR, HAWAII.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1915.....	254,975	\$18,311,484	9,844	1918.....	232,835	\$27,829,517	12,193
1916.....	247,159	21,291,046	9,007	1919.....	242,943	32,116,437	12,734
1917.....	243,441	21,656,117	10,843	1920.....	228,286	37,257,112	17,860

	Short tons.	Value.
Trans-Pacific.....	192,979	\$30,302,525
Interisland.....	35,307	6,954,577
Total.....	228,286	37,257,112

[Navigation season: Continuous.]

Trans-Pacific freight traffic.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products.....		394		\$262,735
Live stock.....	164		\$82,000	
Meat and products.....	95		47,625	
Poultry.....	16		24,000	
Hides and skins.....	10		5,000	
Leather.....	71		88,750	
Fish.....	27		8,100	
Eggs.....	11		7,260	
Vegetable food products.....		9,174		1,684,280
Sugar.....	180		36,000	
Hay and feed.....	4,766		333,620	
Fruits.....	432		43,200	
Rice.....	175		35,000	
Flour.....	757		90,840	
Groceries.....	2,864		1,145,600	
Other vegetable products: Tobacco, etc.....	43	43	43,000	43,000
Textiles.....		159		249,750
Clothing.....	120		201,000	
Cotton manufactures.....	39		48,750	
Wood and paper.....		19,544		1,207,675
Lumber.....	17,998		899,900	
Shingles.....	625		23,750	
Paper, etc.....	192		120,000	
Furniture.....	729		164,025	
Nonmetallic minerals.....		28,422		1,188,194
Building materials.....	2,653		530,600	
Cement.....	3,013		90,390	
Coal.....	254		3,810	
Oil, crude.....	15,586		140,274	
Gasoline.....	5,034		302,040	
Kerosene.....	814		24,420	
Distillate.....	169		6,760	
Lubricating.....	899		89,900	
Metals and manufactures: Iron and manufactures.....	4,383	4,383	1,753,200	1,753,200
Chemicals.....		5,952		895,950
Drugs and chemicals.....	109		218,000	
Fertilizer.....	5,702		570,200	
Explosives.....	141		105,750	
Unclassified.....	15,193	15,193	3,038,600	3,038,600
Total.....		83,364		10,321,364

Trans-Pacific freight traffic—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
SHIPMENTS.				
Animals and animal products: Hides and skins	10	10	\$5,000	\$5,000
Vegetable food products.....		108,814		19,299,371
Sugar.....	77,128		15,425,600	
Hay and feed.....	27		1,890	
Groceries.....	722		288,800	
Molasses.....	13,725		140,681	
Pineapples.....	17,212		3,442,400	
Metals and manufactures: Iron and manufactures	178	178	554,200	554,200
Unclassified.....	613	613	122,600	122,600
Total.....		109,615		19,981,171
Total receipts and shipments.....		192,979		30,302,535

Number and tonnage of vessels entering and leaving during the year.

	Number of vessels.	Net registered tonnage.
Inward:		
Steam.....	89	290,131
Sail.....	2	1,048
Total.....	91	291,174
Outward:		
Steam.....	86	283,319
Sail.....	2	1,084
Total outward.....	88	284,403
Total inward and outward.....	179	575,577

Passenger traffic.

Arrivals.....	693
Departures.....	512
Total.....	1,205

Interisland freight traffic.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products: Live stock.....	26	26	\$13,000	\$13,000
Vegetable food products, etc.....		1,662		322,666
Sugar.....	205		41,000	
Rice.....	1,362		272,400	
Hay and feed.....	87		6,069	
Groceries.....	8		3,200	
Textiles: Clothing.....	15	15	28,125	28,125
Chemicals: Fertilizer.....	4,093	4,093	376,556	376,556
Unclassified.....	22,113	22,113	4,422,600	4,422,600
Total.....		27,909		5,162,971
SHIPMENTS.				
Animals and animal products.....		835		417,500
Live stock.....	789		394,500	
Hides and skins.....	46		23,000	
Vegetable and food products.....		25		3,780
Hay and feed.....	14		980	
Groceries.....	3		1,200	
Rice.....	8		1,600	
Nonmetallic minerals: Coal.....	2	2	38	38
Metals and manufactures: Iron and manufactures.....	390	390	156,000	156,000
Chemicals: Fertilizer.....	139	139	12,828	12,828
Unclassified.....	6,007	6,007	1,201,400	1,201,400
Total.....		7,398		1,791,536
Total receipts and shipments.....		35,307		6,954,577

Vessel classification—Number and tonnage of vessels entering and leaving during the year.

	Number of steamers.	Net registered tonnage.
Inward.....	160	98,304
Outward.....	160	98,304
Total.....	320	196,608

Passenger traffic.

Arrivals.....	7,792
Departures.....	8,863
Total.....	16,655

SUMMARY.

Classes of commodities.	Trans-Pacific.			
	Receipts.		Shipments.	
	Tons.	Value.	Tons.	Value.
Animals and animal products.....	304	\$262,735	10	\$5,000
Vegetable food products.....	9,174	1,664,260	106,814	19,299,371
Other vegetable products.....	43	43,000		
Textiles.....	150	249,750		
Wood and paper.....	19,544	1,207,675		
Nonmetallic minerals.....	28,422	1,188,194		
Ores, metals, and manufactures.....	4,383	1,763,200	178	564,200
Chemicals.....	5,962	893,960		
Unclassified.....	15,193	3,038,600	613	122,600
Total.....	83,364	10,321,364	106,615	19,981,171

SUMMARY—Continued.

Classes of commodities.	Interisland.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products.....	26	\$13,000	835	\$417,500	1,265	\$668,235
Vegetable food products.....	1,662	322,690	25	3,780	119,675	21,310,101
Other vegetable products.....					43	43,000
Textiles.....	15	28,125			174	277,875
Wood and paper.....					19,544	1,207,675
Nonmetallic minerals.....			2	38	23,424	1,188,232
Ores, metals, and manufactures.....			380	196,000	4,961	2,463,400
Chemicals.....	4,093	376,556	159	12,818	16,184	1,283,394
Unclassified.....	22,113	4,422,600	6,007	1,201,400	43,926	8,785,200
Total.....	27,909	5,162,971	7,398	1,791,536	228,286	37,257,112

Number and tonnage of vessels entering and clearing during the year.

	Inward.		Outward.		Total.	
	Number.	Tons.	Number.	Tons.	Number.	Tons.
Trans-Pacific.....	91	291,174	88	284,408	179	575,577
Interisland.....	160	98,304	160	98,304	320	196,606
Total.....	251	389,478	248	382,707	499	772,185

Draft and number of vessels entering and clearing during the year.

Trans-Pacific vessels:	
28 feet.....	2
27 feet.....	12
26 feet.....	20
25 feet.....	18
24 feet.....	20
23 feet.....	6
22 feet.....	30
21 feet.....	10
20 feet.....	24
Less than 20 feet.....	37
Total.....	179
Interisland vessels (all less than 20 feet).....	320
Total.....	499

HILO HARBOR, HAWAII.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1915.....	428,417	\$29,194,940	21,598	1918.....	348,143	\$41,933,752	31,854
1916.....	314,670	31,527,248	27,625	1919.....	388,963	55,051,095	37,760
1917.....	367,955	41,611,824	38,559	1920.....	316,162	64,554,724	41,524
						Short tons.	Value.
Trans-Pacific.....						230,292	\$47,129,057
Interisland.....						85,870	17,425,667
Total.....						316,162	64,554,724

[Navigation season: Continuous.]

Trans-Pacific freight traffic.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products.....		51		\$19, 100
Live stock.....	19		\$9, 500	
Fish.....	32		9, 600	
Vegetable food products.....		16, 899		2, 480, 490
Sugar.....	113		22, 600	
Hay and feed.....	8, 899		622, 930	
Fruits.....	528		52, 800	
Rice.....	2, 432		486, 400	
Flour.....	2, 448		293, 760	
Spirits, etc.....	10		14, 400	
Groceries.....	2, 469		987, 600	
Other vegetable products, etc.: Tobacco and manufactures.....	223	223	223, 000	223, 000
Textiles.....		391		763, 700
Clothing.....	246		381, 250	
Cotton manufactures.....	313		391, 250	
Fiber bags, etc.....	32		11, 200	
Wood and paper.....		16, 500		1, 077, 079
Lumber.....	15, 498		774, 900	
Shingles.....	83		3, 154	
Shooks.....	38		7, 600	
Paper, etc.....	233		145, 625	
Furniture.....	648		145, 600	
Nonmetallic minerals.....		16, 038		973, 863
Building materials.....	2, 058		411, 600	
Cement.....	2, 948		88, 440	
Coal.....	129		2, 451	
Oil, crude.....	3, 338		30, 042	
Gasoline.....	6, 314		378, 840	
Kerosene.....	894		26, 820	
Lubricating oil.....	357		35, 700	
Metals and manufactures: Iron and manufactures.....	3, 233	3, 233	1, 293, 200	1, 293, 200
Chemicals.....		4, 936		1, 104, 550
Drugs and chemicals.....	313		628, 000	
Explosives.....	25		18, 750	
Fertilizer.....	4, 598		459, 900	
Unclassified.....	24, 212	24, 212	4, 842, 400	4, 842, 400
Total.....		82, 683		12, 777, 412
SHIPMENTS.				
Vegetable food products, beverages, oilseeds, etc.....		145, 541		33, 933, 470
Sugar.....	120, 253		33, 670, 840	
Molasses.....	25, 263		252, 630	
Groceries.....	25		10, 000	
Textiles.....		7		8, 975
Clothing.....	1		1, 875	
Fiber bags, etc.....	6		2, 100	
Unclassified.....	2, 061	2, 061	412, 200	412, 200
Total.....		147, 609		34, 349, 645
Total receipts and shipments.....		230, 292		47, 129, 057

Number and tonnage of vessels entering and clearing during the year.

	Number.	Net registered tonnage.
Inward:		
Steam.....	93	297,307
Sail.....	3	3,045
	96	300,352
Outward:		
Steam.....	89	286,563
Sail.....	3	2,536
	92	289,129
Total.....	188	599,481

Passenger traffic.

Arrivals.....	1,570
Departures.....	1,912
Total.....	3,482

Interisland freight traffic.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products.....		4		\$2,000
Live stock.....	3		\$1,500	
Hides and skins.....	1		500	
Vegetable food products, etc.....		38,067		11,184,870
Sugar.....	35,798		10,739,400	
Hay and feed.....	77		5,390	
Rice.....	2,150		430,000	
Flour.....	24		2,840	
Groceries.....	18		7,200	
Textiles: Fiber bags, etc.....	388	388	135,800	135,800
Wood and paper: Lumber.....	409	409	204,500	204,500
Nonmetallic minerals.....		503		77,480
Building materials.....	367		73,400	
Kerosene oil.....	136		4,080	
Metals and manufactures: Iron and manufactures.....	49	49	19,600	19,600
Chemicals: Fertilizer.....	15,141	15,141	392,972	392,972
Unclassified.....	14,478	14,478	2,895,600	2,895,600
Total.....		69,039		14,912,822
SHIPMENTS.				
Animals and animal products.....		45		22,500
Live stock.....	8		4,000	
Hides and skins.....	27		18,500	
Vegetable food products, etc.....		1,498		276,310
Sugar.....	1,091		218,200	
Hay and feed.....	253		17,710	
Rice.....	99		19,800	
Flour.....	5		600	
Groceries.....	50		20,000	
Wood and paper.....		4,265		313,300
Lumber.....	4,091		204,550	
Paper, etc.....	174		108,750	
Nonmetallic minerals.....		477		31,778
Building materials.....	105		21,000	
Cement.....	155		6,650	
Coal.....	217		4,128	
Chemicals: Fertilizer.....	1,872	1,872	134,157	134,157
Unclassified.....	8,674	8,674	1,734,800	1,734,800
Total.....		16,831		2,312,845
Total receipts and shipments.....		85,870		17,425,667

1384 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

Number and tonnage of vessels entering and leaving during the year.

	Number.	Net registered tonnage.
Inward.....	280	144,012
Outward.....	277	142,670
Total.....	557	286,682

Passenger traffic.

Arrivals.....	18,313
Departures.....	19,729
Total.....	38,042

SUMMARY OF COMMERCE.

Classes of commodities.	Trans-Pacific.			
	Receipts.		Shipments.	
	Tons.	Value.	Tons.	Value.
Animals and animal products.....	51	\$19,100		
Vegetable food products.....	16,899	2,430,490	146,541	\$33,933,470
Other vegetable products.....	223	223,008		
Textiles.....	591	763,700		3,975
Wood and paper.....	16,500	1,077,079		
Nonmetallic minerals.....	16,038	973,893		
Ores, metals, and manufactures.....	3,223	1,262,200		
Machinery and vehicles.....				
Chemicals.....	4,936	1,104,880		
Unclassified.....	24,212	4,842,400	2,061	412,300
Total.....	82,688	12,777,412	147,609	34,349,645

Classes of commodities.	Interisland.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products.....	4	\$2,000	45	\$22,500	100	\$43,000
Vegetable food products.....	38,067	11,184,870	1,498	276,310	202,006	47,875,140
Other vegetable products.....					223	223,000
Textiles.....	388	135,800			986	908,475
Wood and paper.....	409	204,600	4,265	313,300	21,174	1,894,879
Nonmetallic minerals.....	503	77,490	477	31,778	17,018	1,063,151
Ores, metals, and manufactures.....	49	19,600			3,282	1,312,800
Machinery and vehicles.....						
Chemicals.....	15,141	392,972	1,672	134,157	21,949	1,631,679
Unclassified.....	14,478	2,896,600	8,674	1,734,800	49,425	9,837,000
Total.....	69,099	14,912,822	16,831	2,512,845	316,162	64,354,724

RÉSUMÉ FOR THE PORT OF HILO.

Number and tonnage of vessels entering and clearing during the year.

	Inward.		Outward.		Total.	
	Number.	Tons.	Number.	Tons.	Number.	Tons.
Trans-Pacific.....	98	300,352	92	200,120	188	500,451
Interisland.....	280	144,012	277	142,670	557	286,682
Total.....	376	444,364	369	441,790	743	886,163

Draft and number of vessels entering and clearing during the year.

Trans-Pacific vessels:

30 feet.....	4
29 feet.....	8
27 feet.....	6
26 feet.....	8
24 feet.....	16
23 feet.....	24
22 feet.....	24
21 feet.....	20
20 feet.....	2
Less than 20 feet.....	76

Total..... 188

Interisland vessels (all less than 20 feet)..... 557

Total..... 745

NAWILIWILI HARBOR, HAWAII.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1918.....	8,568	\$1,281,160	12,439	1920.....	12,040	\$2,169,266	20,019
1919.....	9,536	1,600,738	18,987				

Draft of vessels entering and clearing during the year.

All interisland vessels less than 20 feet..... 317

[Navigation season: Continuous.]

Interisland freight traffic.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products: Live stock.....	4	4	\$2,000	\$2,000
Vegetable food products.....		13		1,660
Hay and feed.....	7		480	
Rice.....	6		1,200	
Wood and paper: Lumber.....	411	411	20,550	20,550
Nonmetallic minerals: Cement.....	5	5	150	150
Chemicals: Fertilizer.....	1,528	1,528	140,576	140,576
Unclassified.....	7,859	7,859	1,571,800	1,571,800
Total.....		9,820		1,736,786
SHIPMENTS.				
Animals and animal products.....		4		2,000
Live stock.....	1		500	
Hides and skins.....	3		1,500	
Vegetable food products: Rice.....	23	23	4,600	4,600
Chemicals: Fertilizer.....	121	121	11,500	11,500
Unclassified.....	2,072	2,072	414,400	414,400
Total.....		2,220		432,500
Total receipts and shipments.....		12,040		2,169,286

1386 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1921.

Number and tonnage of vessels entering and leaving during the year.

	Number.	Net registered tonnage.
Inward.....	157	120,650
Outward.....	160	122,982
Total.....	317	243,562

Passenger traffic.

Arrivals.....	10,158
Departures.....	9,861
Total.....	20,019

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products.....	4	\$2,000	4	\$2,000	8	\$4,000
Vegetable food products.....	13	1,690	23	4,600	36	6,290
Wood and paper.....	411	20,550			411	20,550
Nonmetallic minerals.....	5	180			5	180
Chemicals.....	1,528	140,576	121	11,500	1,649	152,076
Unclassified.....	7,859	1,571,800	2,072	414,400	9,931	1,986,200
Total.....	9,820	1,736,766	2,220	432,500	12,040	2,169,266

PORTO RICO DISTRICT.

SAN JUAN HARBOR, P. R.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers from and to ports outside of Porto Rico.
Fiscal year:			
1913.....	432,000	\$34,019,000	(1)
1914.....	543,000	43,730,252	(1)
1915.....	541,422	45,782,661	18,683
1916.....	731,350	58,125,600	20,085
1917.....	756,350	73,211,200	21,796
1918.....	736,044	71,396,255	23,000
Calendar year:			
1918.....	* 639,465	* 77,954,718	(1)
1919.....	* 493,261	* 100,021,414	26,652
1920.....	* 412,603	* 163,620,176	(1)

¹ No data available.

* Estimated as 55 per cent of total commerce of Porto Rico.

The statistics given below were furnished by the customs district of Porto Rico. Statistics as to foreign commerce for the calendar year ending December 31, 1920, and the statistics of domestic commerce were obtained from publications of the Department of Commerce for 1920. A large percentage of the commodities given in the above reports contained its value only. The weight and quantity of the balance had to be determined approximately. The reports from which the statistics were obtained cover the commodities received and shipped in vessels of all classes for the whole island, of which it is estimated about 55 per cent passes through San Juan Harbor. Practically all the domestic commerce is package freight, the proportion of bulk

freight being so small that it is negligible. There is considerable local shipping in this harbor with a terminal station of a ferry line and tramway located on the opposite shore, at Catano, estimated to carry 50,000 tons of freight per annum and 1,800,000 passengers, and by local coasters, small schooners and sloops, principally owned by merchants, with other ports of the island, of which no satisfactory record is kept. ■

[Navigation season: 12 months.]

Freight traffic.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products, except wool and hair.....		7,170		\$2,077,303
Animals.....	843		883,122	
Meats, poultry, and eggs.....	607		272,678	
Dairy products.....	301		285,997	
Fish.....	5,258		1,314,417	
Animal and fish oils, fat, and greases.....	18		9,912	
Hides and skins, raw.....	58		25,589	
Leather.....	68		49,733	
Leather manufactures.....	17		34,143	
Miscellaneous animal products.....	445		1,712	
Vegetable food products, oilseeds, expressed oils, and beverages.....		7,143		1,187,687
Grains and preparations.....	915		204,582	
Fodders and feeds.....	374		17,438	
Vegetables.....	2,062		379,100	
Fruits and nuts.....	418		113,623	
Oilseeds and vegetable oils and fats.....	815		357,710	
Cocoa, coffee, tea, and spices.....	104		54,787	
Sugar, molasses, sirups, and confectionery.....	2,228		35,239	
Beverages.....	197		25,208	
Other vegetable products, except fibers and wood.....		192		95,504
Rubber and gums, and manufactures of.....	.073		94	
Gums, resins, and balsams.....	.004		10	
Crude drugs and essential oils.....	1		993	
Dyeing and tanning materials.....	139		47,514	
Seeds for sowing.....	5		1,614	
Nursery and greenhouse stock, including bulbs.....	3		32,000	
Tobacco.....	43		12,863	
Miscellaneous vegetable products.....	1		416	
Textiles.....		4,625		1,083,106
Cotton.....	38		173,636	
Jute, flax, hemp, and ramie.....	4,557		883,038	
Wool and hair.....	1		5,303	
Silk.....	28		20,438	
Miscellaneous textile products.....	1		690	
Wood and paper.....		12,563		505,968
Logs, timber, and other unmanufactured or partly manufactured wood.....	4,560		48,143	
Boards, planks, deals, and other sawed lumber.....	5,107		118,380	
Manufactures of wood.....	407		20,477	
Paper base stocks.....	14		14,386	
Paper, except printed matter.....	2,465		275,232	
Books and other printed matter.....	10		29,350	
Nonmetallic minerals.....		88,702		818,442
Coal, petroleum, and asphalt.....	65,536		775,043	
Stone, sand, cement, and plaster.....	18,163		9,003	
Glass.....	57		11,416	
Clays and clay products.....	79		10,227	
Other nonmetallic minerals.....	4,897		12,753	
Ores, metals, and manufactures, except machinery and vehicles.....		506		55,928
Iron and steel.....	489		42,631	
Aluminum, antimony, bismuth, cadmium, and cobalt.....	.34		409	
Copper, brass and bronze.....	16		2,951	
Lead, mercury, and nickel.....	.062		20	
Precious metals, jewelry, and plated ware.....	.068		4,395	
Clocks and watches.....	.347		5,442	
Tin and zinc.....	.133		80	
Machinery and vehicles.....		446		182,065
Electric machinery and apparatus.....	.3		521	
Other machinery except agricultural.....	8		2,583	
Agricultural machinery and implements.....	437		178,790	
Vehicles, except agricultural.....	1		171	

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By com- modities.	By classes.	By com- modities.	By classes.
IMPORTS—continued.				
Chemicals.....		14,312		\$1,400,024
Coal-tar chemicals.....	21		88,537	
Chemicals, except coal tar.....	954		156,643	
Medicinal, pharmaceutical, and chemical prepara- tions.....	86		99,807	
Pigments, paints, varnishes.....	32		16,161	
Fertilizers and fertilizer materials.....	13,196		1,138,400	
Miscellaneous chemical products.....	23		40,476	
Unclassified.....		1,540		544,404
Scientific and professional instruments, apparatus, and supplies.....	229		12,974	
Musical instruments.....	1		5,142	
Miscellaneous office supplies.....	297		178	
Toys, athletic and sporting goods.....	3		11,644	
Art works.....	2		5,457	
Miscellaneous articles.....	1,534		509,009	
Total.....		137,199		8,610,430
EXPORTS.				
Animals and animal products, except wool and hair.....		1,361		849,708
Animals.....	676		30,889	
Meat, poultry, eggs.....	48		34,281	
Dairy products.....	53		29,332	
Fish.....	166		53,947	
Animal and fish oils.....	107		37,086	
Hides and skins.....	25		15,657	
Leather.....	45		62,339	
Manufactures of leather.....	204		563,156	
Miscellaneous animal products.....	7		2,506	
Vegetable food products, oilseeds, expressed oils, and beverages.....		19,810		9,261,677
Grain and grain preparations.....	2,239		434,469	
Fodder and feed.....	71		18,838	
Vegetables.....	648		128,223	
Fruit and nuts.....	187		50,468	
Vegetable oils and fats.....	411		36,082	
Coffee, cocoa, spices.....	15,711		8,461,261	
Sugar, molasses, confectionery.....	532		102,766	
Beverages.....	11		19,579	
Other vegetable products, except fibers and wood.....		1,067		168,226
Rubber and gums.....	37		52,247	
Gums, resins, and balsams.....	8		396	
Dyes and tanning materials.....	2		755	
Seeds.....	8		1,134	
Nursery stock.....	3		616	
Tobacco.....	962		39,264	
Miscellaneous.....	47		8,514	
Textiles.....		1,929		3,771,636
Cotton.....	1,810		3,290,061	
Vegetable fibers.....	82		139,426	
Wool and hair.....	19		54,378	
Silk.....	7		92,351	
Miscellaneous textiles.....	11		95,430	
Wood and paper.....		2,070		229,896
Logs and timber.....	7		1,155	
Boards, planks, lumber.....	1,535		62,650	
Manufactures of wood.....	229		73,396	
Paper.....	270		74,430	
Books, maps, printed matter.....	29		18,275	
Nonmetallic minerals.....		12,416		304,898
Coal, petroleum, asphalt.....	6,322		144,102	
Stone, sand, cement.....	3,725		79,973	
Glass and products.....	26		13,750	
Clay and products.....	984		48,398	
Abrasives.....	0.22		299	
Other nonmetallic.....	1,359		18,314	

Freight traffic—Continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Ores and metals and manufactures, except machinery and vehicles.....		3,300		\$456,050
Iron and steel.....	3,226		\$612,169	
Aluminum.....	1		860	
Copper, brass, and bronze.....	55		35,302	
Lead, mercury, nickel.....	1		2,258	
Gold, silver, jewelry.....	1		931	
Clocks and watches.....	1		756	
Tin and zinc.....	3		1,280	
Other metals.....	8		2,473	
Machinery and vehicles.....		1,447		670,038
Power generating machinery.....	124		63,369	
Electric machinery and apparatus.....	9		18,888	
Construction machinery.....	114		44,560	
Mining and pumping machinery.....	14		6,414	
Textile machinery.....	1		1,579	
Other machinery.....	1,021		413,298	
Agricultural machinery.....	40		17,308	
Vehicles.....	124		104,570	
Chemicals.....		581		164,821
Coal tar chemicals.....	71		8,627	
Chemicals except coal tar.....	331		85,625	
Medicinal and pharmaceutical preparations.....	8		10,287	
Paint and varnishes.....	34		9,043	
Explosives.....	2		1,766	
Miscellaneous.....	135		49,473	
Unclassified.....		200		208,674
Scientific instrument and supplies.....	1		22,073	
Office supplies.....	4		17,997	
Musical instruments.....	2		5,676	
Toys, athletic and sporting goods.....	2		10,535	
Miscellaneous articles.....	191		149,393	
Total.....		44,181		16,237,571
Total imports and exports for Island of Porto Rico.....		181,380		24,248,001
Estimated total imports and exports for San Juan Harbor.....		99,759		13,336,400

DOMESTIC.

RECEIPTS, COASTWISE.				
Animals and animal products, except wool and hair.....		37,213		\$17,200,816
Animals.....	2,227		\$131,815	
Meat products, poultry, eggs—				
Beef.....	691		309,596	
Hog.....	14,219		6,553,928	
Other meat products.....	210		578,698	
Dairy products—				
Butter.....				
Cheese.....	4,636		2,190,819	
Milk.....				
Fish—				
Dried and cured.....	8,142		1,533,178	
Canned.....	532		126,109	
Other fish products.....	1,485		364,204	
Hides and skins.....	53		32,006	
Leather and manufactures—				
Tanned leather.....	209		292,326	
Boots and shoes.....	4,414		4,414,423	
Harness and saddles.....			133,025	
Other leather manufactures.....	395		340,609	
Vegetable food products, oilseeds, expressed oils, and beverages.....		89,147		29,629,858
Grain and grain preparations—				
Bread and biscuit.....	3,227		1,601,891	
Cornmeal.....	45		738,361	
Oats.....	79		189,281	
Table food.....	391		312,961	
Rice.....	76,910		14,599,919	
Wheat and flour.....	238		5,656,945	
Other preparations.....	1,469		293,725	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS, COASTWISE—continued.				
Vegetable food products, oilseeds, expressed oils and beverages—Continued.				
Oil cake and oil-cake meal—				
Feed.....	1,405		\$100,860	
Hay.....	169		8,078	
Vegetables—				
Beans and peas.....	248		2,203,103	
Onions.....	37		152,240	
Potatoes.....	154		595,263	
Canned vegetables.....	157		187,082	
Other vegetables.....	42		25,232	
Fruits and nuts—				
Raisins.....	44		20,117	
Green and ripe fruit.....	409		204,522	
Preserved and prepared.....	532		397,479	
Nuts.....	409		245,268	
Vegetable oils—				
Cottonseed oil.....	103		53,945	
Linseed oil.....	44		140,384	
All other oil.....	137		148,348	
Cocoa, chocolate, tea—				
Chocolate.....	353		352,780	
Tea.....	5		5,803	
Sugar, confectionery—				
Refined sugar.....	1,931		453,114	
Confectionery.....	549		942,239	
Other vegetable products, except fibers and wood.....		6,476		\$6,102,664
Rubber and gums, and manufactures—				
Belting.....			120,972	
Tires.....	1,491		1,386,912	
Other manufactures.....			599,077	
Tobacco—				
Unmanufactured.....	3,696		2,745,538	
Manufactured.....	956		1,147,265	
Miscellaneous vegetable products—				
Brooms.....	143		99,899	
Starch.....	190		23,001	
Textiles.....		64,355		25,662,377
Manufactures of cotton—				
All kinds.....	35,997		13,541,772	
Laces.....	257		606,146	
Knit goods.....	125		875,261	
Other wearing apparels.....	169		3,371,637	
Other manufactures of cotton.....	3,615		2,894,896	
Jute, flax, and hemp—				
Bags.....	2,636		1,370,891	
Cordage and twine.....	742		399,671	
Other fibers.....	601		312,625	
Straw and palm manufactures.....	14		230,638	
Wool and hair—				
Wearing apparel.....			538,454	
Other woolen goods.....	144		457,502	
Silk:				
Wearing apparel.....			343,529	
Silk goods.....	55		752,285	
Wood and paper.....		706,726		7,228,537
Boards, planks, lumber: Lumber.....	697,080		2,788,243	
Manufactures of wood—				
Doors, sash, etc.....	37		36,813	
Furniture.....	466		559,485	
Box shooks.....	91		363,078	
Other manufactures.....	48		896,575	
Manufactures of cork.....	15		30,591	
Paper—				
Bags, boxes, cartons.....	1,568		313,696	
Newsprint paper.....	870		121,671	
Wrapping paper.....	3,672		661,995	
Writing paper.....	776		310,250	
Other paper.....	1,917		538,850	
Books and other prints.....	206		619,100	
Nonmetallic minerals.....		173,563		6,088,003
Coal, petroleum—				
Coal.....	92,877		785,567	
Lubricating oil.....	862		116,315	
Crude oil.....	21		746	

Freight traffic—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS, COASTWISE—continued.				
Nonmetallic minerals—Continued.				
Coal, petroleum—Continued.				
Illuminating oil.....	16, 180		{ \$902, 107	
Paraffin oil.....			{ 576, 807	
Gasoline.....	16, 831		1, 783, 199	
Fuel oil.....	383		18, 664	
Stone, sand, cement—Cement.....	43, 630		806, 082	
Glass—				
Glass and glassware.....	1, 380		551, 857	
Glass lamps.....	23		46, 315	
Clay and clay products—Earthenware, china.....	1, 376		550, 344	
Ores, metals, and manufactures, except machinery and vehicles.....		34, 147		\$8, 526, 789
Iron and steel—				
Metal furniture.....	204		245, 268	
Bar iron.....	339		37, 213	
Steel rods.....	4, 089		386, 677	
Hardware.....	327		195, 947	
Castings.....	148		79, 150	
Cutlery.....	365		182, 608	
Enamelled ware.....	239		286, 417	
Firearms.....	2		7, 129	
Nails.....	3, 692		435, 718	
Pipe and fittings.....	3, 796		535, 773	
Rails.....	1, 645		133, 004	
Saws.....	22		13, 310	
Scales.....	11		89, 920	
Iron and steel plates.....	5, 552		790, 648	
Stoves.....	18		36, 137	
Structural steel.....	2, 761		351, 000	
Manufactures of tin plates.....	152		91, 492	
Tools.....	203		324, 144	
Wire.....	1, 116		148, 207	
Other manufactures.....	8, 711		3, 484, 272	
Copper, brass, bronze—				
Manufactures of brass.....	553		{ 144, 822	
Manufactures of copper.....			{ 242, 165	
Lead, mercury, nickel—Manufactures of lead.....	169		67, 657	
Precious metals, jewelry—Jewelry.....	1		105, 728	
Clocks and watches—				
Clocks.....	2		{ 32, 839	
Watches.....			{ 43, 424	
Plated ware.....	30		36, 120	
Machinery and vehicles.....		17, 764		9, 349, 153
Electrical machinery and apparatus—				
Batteries.....	94		56, 421	
Fans.....	2		7, 703	
Lamps.....	12		93, 758	
Motors.....	92		92, 010	
Telephones.....	3		15, 230	
Other electrical apparatus.....	574		574, 135	
Power generating machinery—				
Locomotives.....	240		166, 100	
Stationary engines.....	1, 504		186, 733	
Others, and parts of.....	506		253, 258	
Other machinery—				
Adding machines.....	8		110, 711	
Cash registers.....	5		90, 882	
Printing presses.....	11		22, 179	
Pumps.....	1, 109		832, 669	
Refrigerating and ice machines.....	162		64, 704	
Sewing machines.....	172		300, 579	
Sugar-mill machinery.....	2, 600		963, 205	
Typewriting machines.....	20		129, 816	
Other machinery.....	2, 038		1, 018, 982	
Agricultural machinery and implements—Agricultural implements.....				
	1, 215		486, 103	
Vehicles—				
Autotrucks.....	1, 281		1, 064, 207	
Passenger autos.....	3, 760		2, 075, 173	
Parts of autos.....	1, 071		642, 422	
Passenger and freight cars.....	510		135, 858	
Bicycles and motor cycles.....	165		100, 264	
All others, and parts of.....	610		366, 041	

Freight traffic—Continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS, COASTWISE—continued.				
Chemicals.....		62,787		\$8,601,827
Chemical and medical preparations—				
Medicinal preparations.....	502		\$682,585	
Other chemicals.....	2,983		1,103,312	
Acids.....	130		65,140	
Paints and varnish—				
Ready mixed.....	1,324		340,891	
Other paint.....	1,082		346,147	
Fertilizers.....	50,333		4,001,962	
Explosives, ammunition—				
Loaded cartridges.....	13		23,249	
Other explosives.....	95		26,460	
Miscellaneous chemical products—				
Perfumeries.....	28		468,894	
Fancy soap.....	487		104,988	
Ordinary soap.....	5,790		1,068,205	
Unclassified articles.....		6,577		3,406,330
Scientific instruments and supplies—				
Instruments.....	5		91,091	
Motion-picture films.....	3		163,554	
Other films.....	9		72,729	
Musical instruments—				
Instruments and parts.....	12		117,239	
Phonographs.....	25		83,977	
Toys.....	64		275,760	
Miscellaneous articles—				
Personal effects.....	83		83,134	
Candles.....	800		260,422	
All other articles.....	5,576		2,230,433	
Total.....		1,198,735		121,788,268
SHIPMENTS, COASTWISE.				
Animals and animal products, except wool and hair.....		203.59		123,778
Tallow.....	4.44		1,200	
Hides and skins.....	173.53		112,925	
Beeswax.....	17.63		7,055	
Bones and horns.....	7.99		1,598	
Vegetable food products, oilseeds, expressed oils, and beverages.....		81,632.15		121,232,515
Grapefruit.....	15,731.04		1,318,515	
Oranges (263,513 boxes).....	9,536.60		632,543	
Pineapples.....	1,579.56		473,870	
All other fruit.....	11.35		5,676	
Canned pineapples.....	114.80		91,840	
Preserved and prepared.....	27		37,702	
Coconuts.....	6,976.19		837,143	
Coffee.....	210		117,595	
Honey.....	735.03		170,516	
Molasses (20,000,000 gallons).....	8,617.50		1,261,305	
Sugar.....	38,063.08		116,285,720	
Other vegetable products, except fibers and wood.....		9,622.11		26,735,773
Seeds.....	41.43		12,431	
Leaf tobacco.....	6,661.26		13,495,243	
Stems and trimmings.....	1,484.56		802,959	
Cigarettes.....	9.40		72,400	
Cigars.....	1,425.46		12,352,650	
Textiles.....		1,185.00		1,450,386
Cotton.....	355.82		142,329	
Other manufactures of cotton.....	821.35		1,182,740	
Straw and palm-leaf manufactures.....	7.83		125,297	
Chemicals: Perfumeries.....	5.65	5.65	33,919	33,919
Unclassified.....		4,696.53		1,878,614
All others.....			284,866	
Articles returned.....	4,696.53		1,547,394	
Foreign merchandise returned.....			46,354	
Total.....		97,345.00		151,454,965
Total receipts and shipments for the island of Porto Rico.....		1,295,080.00		273,243,226
Estimated total receipts and shipments for San Juan Harbor.....		712,844.00		150,283,776
Grand total of traffic for island of Porto Rico.....		1,477,480.00		297,491,299
Estimated grand total of traffic for San Juan Harbor.....		812,608.00		163,620,176

Freight traffic—Continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products.....	7, 170	\$2, 077, 303	1, 361	\$849, 708
Vegetable food products.....	7, 143	1, 187, 667	19, 810	9, 281, 677
Other vegetable products.....	192	95, 504	1, 067	103, 228
Textiles.....	4, 625	1, 068, 185	1, 929	3, 771, 686
Wood and paper.....	12, 563	505, 968	2, 070	229, 366
Nonmetallic minerals.....	88, 702	418, 442	12, 416	304, 896
Ores and metals.....	506	55, 928	3, 300	656, 069
Machinery and vehicles.....	446	182, 065	1, 447	670, 036
Chemicals.....	14, 312	1, 460, 024	581	164, 821
Unclassified.....	1, 540	544, 404	200	205, 674
Total for island of Porto Rico.....	137, 199	8, 010, 430	44, 181	16, 237, 571
Estimated total for San Juan Harbor, P. R.....	75, 459	4, 405, 736	21, 300	8, 936, 064

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products.....	37, 213	\$17, 200, 816	204	\$123, 778	45, 948	\$20, 251, 005
Vegetable food products.....	89, 147	29, 629, 858	81, 632	121, 252, 515	197, 732	161, 331, 737
Other vegetable products.....	6, 476	6, 102, 064	9, 622	26, 735, 773	17, 357	33, 037, 169
Textiles.....	64, 335	25, 692, 277	1, 185	1, 450, 366	72, 094	81, 997, 384
Wood and paper.....	706, 726	7, 238, 537			721, 359	7, 974, 401
Nonmetallic minerals.....	173, 563	6, 038, 003			274, 681	7, 161, 281
Ores and metals.....	34, 147	8, 526, 789			37, 953	9, 238, 776
Machinery and vehicles.....	17, 704	9, 349, 153			19, 657	10, 201, 254
Chemicals.....	62, 767	8, 601, 827	6	33, 919	77, 660	10, 260, 591
Unclassified.....	6, 577	3, 408, 339	4, 696	1, 878, 614	13, 013	6, 037, 031
Total for island of Porto Rico.....	1, 198, 735	121, 788, 263	97, 345	151, 454, 065	1, 177, 400	297, 491, 229
Estimated total for San Juan Harbor, P. R.....	659, 304	66, 983, 545	53, 540	83, 300, 231	812, 603	163, 620, 176

Vessel classification.

The information was furnished by the harbor master and includes all vessels entering or leaving the harbor.

Vessels.	Number.	Registered tonnage.
Coastwise:		
Steamers.....	402	1, 291, 893
Sailing vessels.....	60	32, 109
Total.....	462	1, 324, 002
Foreign:		
Steamers.....	87	299, 483
Sailing vessels.....	58	6, 834
Total.....	145	306, 317
Grand total.....	607	1, 630, 319

MISSISSIPPI RIVER.

[Traffic reported by the Mississippi River Commission.]

Comparative statement of traffic.

(St. Louis, Mo., to New Orleans, La., 1,197 miles, divided into four stretches.)

FIRST STRETCH, ST. LOUIS, MO., TO CAIRO, ILL. (191 MILES).

Year.	Tons.	Value. ¹	Passengers.	Floated logs.	Value. ¹	Remarks.
1916.....	1,050,773	.....	101,131	15,000	.....
1917.....	356,777	.....	67,666	8,000	.....
1918.....	285,982	.....	20,261	6,000	.....
1919.....	360,179	.....	89,699	9,000	.....
1920.....	1,008,152	\$25,983,422	* 719,097	10,000	\$50,000	* 652,242 excursion.

SECOND STRETCH, CAIRO, ILL., TO MEMPHIS, TENN. (227 MILES).

1916.....	1,200,427	.....	166,886	5,220	.....
1917.....	629,419	.....	83,742	6,025	.....
1918.....	634,834	.....	48,397	3,850	.....
1919.....	655,938	.....	151,314	5,015	.....
1920.....	1,044,945	\$30,206,574	69,757	3,487	\$17,435	

THIRD STRETCH, MEMPHIS, TENN., TO VICKSBURG, MISS. (375 MILES).

1916.....	1,788,743	.....	150,085	21,234	.....
1917.....	1,473,440	.....	41,490	20,100	.....
1918.....	853,851	.....	54,838	18,329	.....
1919.....	1,056,200	.....	121,542	15,226	.....
1920.....	925,763	\$56,147,976	* 477,155	12,000	\$60,000	* 357,272 excursion.

FOURTH STRETCH, VICKSBURG, MISS., TO NEW ORLEANS, LA. (374 MILES).

1916.....	2,085,477	.....	38,287	148,761	.....
1917.....	2,400,672	.....	18,086	148,982	.....
1918.....	2,715,928	.....	26,405	178,327	.....
1919.....	3,418,294	.....	54,086	203,421	.....
1920.....	2,874,910	\$148,398,764	* 267,349	139,834	\$699,170	* 189,164 excursion.

(At principal ports, St. Louis, Mo., to New Orleans, La., which traffic is included in above stretch business.)

AT ST. LOUIS, MO.

1916.....	890,743	.....	375,837	3,000	.....
1917.....	973,125	.....	506,782	2,000	.....
1918.....	725,907	.....	335,311	.....	.....
1919.....	824,185	.....	783,309	.....	.....
1920.....	904,741	\$25,595,723	* 719,097	.....	.....	* 652,242 excursion.

AT MEMPHIS, TENN.

1916.....	662,046	.....	127,637	16,209	.....
1917.....	560,207	.....	137,420	15,785	.....
1918.....	760,478	.....	93,654	17,132	.....
1919.....	501,335	.....	158,208	10,243	.....
1920.....	691,035	\$29,409,296	* 514,540	3,497	\$17,435	* 357,272 excursion.

AT VICKSBURG, MISS.

1916.....	315,911	.....	13,340	4,211	.....
1917.....	98,129	.....	138	2,117	.....
1918.....	151,216	.....	10,977	3,221	.....
1919.....	80,563	.....	9,644	1,173	.....
1920.....	78,752	\$19,055,915	72,657	.....	.....

¹ Unknown prior to 1920.² Does not include 9,304,236 tons exports and imports (valued at \$980,711,809) at the port of New Orleans, which class of traffic was included in previous reports.

Comparative statement of traffic—Continued.

AT NEW ORLEANS, LA.

Year.	Tons.	Value.	Passen- gers.	Floated logs.	Value.	Remarks.
1916.....	8,011,562	.....	48,369	74,381	.....	.....
1917.....	8,666,811	.....	34,225	75,492	.....	.....
1918.....	9,626,857	.....	96,337	89,164	.....	.....
1919.....	9,993,334	.....	50,037	109,793	.....	.....
1920.....	2,072,536	\$125,114,041	250,072	60,000	\$300,000	* 189,164 excursion.

* Does not include 9,304,236 tons exports and imports (valued at \$980,711,869) at the port of New Orleans, which class of traffic was included in previous reports.

NOTE.—Each stretch is treated as a separate river, and some traffic between ports on different stretches appears in the statistics of the intervening stretches; consequently the sum of the traffic in the four stretches is somewhat in excess of the total traffic on the river as a whole. Values of commodities handled were not obtained prior to this year. The floated logs were in rafts and were towed by steamboats or motor boats.

[Navigation season: Jan. 1 to Dec. 31, 1920.]

Domestic freight traffic, 1920.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products.....			73,745		\$12,391,990
Grains and preparations of.....		285		\$17,100	
Vegetables.....		9,923		2,480,750	
Fruits and nuts.....		1,188		95,040	
Coffee, cocoa, and spices.....		947		378,800	
Sugar, molasses, sirups, honey, and confectionery.....		61,088		9,137,700	
Beverages.....		314		282,600	
Other vegetable products.....			133		22,900
Naval stores, gums, and resins.....		101		10,100	
Tobacco.....		32		12,800	
Textiles: Other vegetable fibers (than cotton).....		7,604	7,604	741,810	741,810
Wood and paper.....			6,555		322,600
Boards, planks, and other sawed lumber.....				5,150	
Paper, except printed matter.....		6,349		317,450	
Nonmetallic minerals.....			127,422		5,777,942
Coal, petroleum, and asphalt.....	115,959			5,389,947	
Stone, sand, cement, and plaster.....		3,451		290,230	
Clay and clay products.....		7,599		113,985	
Other nonmetallic minerals.....		413		24,780	
Ores, metals, and manufactures of, except machinery and vehicles.....			8,408		951,500
Iron and steel (hardware, cutlery, etc.).....		8,039		803,900	
Copper, brass, and bronze.....		399		147,600	
Machinery and vehicles.....			1,554		294,550
Other machinery (than power generat- ing, electrical, construction, convey- ing, mining, metal working, textile), except agricultural.....		1,424		284,800	
Agricultural machinery and imple- ments.....		130		9,750	
Chemicals.....			47,802		2,260,018
Chemicals, except coal tar.....		810		810,000	
Pigments, paints, and varnishes.....		1,833		408,250	
Fertilizers and fertilizer materials.....		38,778		232,668	
Explosives, ammunition, and fireworks.....		755		226,500	
Miscellaneous chemical products.....		5,826		582,000	
Unclassified: Miscellaneous.....		49,337	49,337	14,801,100	14,801,100
Total.....	115,959	206,601	322,560		37,564,410

Domestic freight traffic—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS, COASTWISE.					
Animals and animal products, except wool and hair.....			732		\$221, 120
Meat, poultry, and eggs.....		480		\$216, 000	
Hides and skins, except fur skins.....		282		15, 120	
Vegetable food products.....			157, 068		20, 068, 025
Grains and preparations of.....		126, 544		11, 187, 780	
Vegetables.....		5, 743		570, 025	
Fruits and nuts.....		679		54, 320	
Coffee, cocoa, and spices.....		1, 373		549, 200	
Sugar, molasses, sirups, honey, and confectionery.....		15, 913		1, 572, 600	
Beverages.....		6, 816		6, 134, 100	
Other vegetable products: Naval stores, gums, and resins.....		11, 990	11, 990	1, 199, 000	1, 199, 000
Textiles.....			10, 289		5, 069, 080
Cotton.....		7, 373		4, 423, 800	
Other vegetable fibers.....		2, 558		448, 880	
Wool and hair.....		358		196, 900	
Wood and paper.....			19, 552		533, 725
Boards, planks, and other sawed lumber.....		17, 755		443, 875	
Manufactures of wood.....		1, 099		54, 850	
Paper, except printed matter.....		698		34, 900	
Nonmetallic minerals.....			626, 821		7, 867, 008
Coal, petroleum, and asphalt.....	620, 805			7, 846, 547	
Other nonmetallic minerals.....		6, 016		21, 056	
Ores, metals, and manufactures of, except machinery and vehicles.....			11, 724		3, 170, 100
Iron and steel (hardware, cutlery, etc.).....		5, 065		508, 800	
Lead, mercury, and nickel.....		6, 659		2, 663, 690	
Machinery and vehicles: Other machinery, except agricultural.....		813	813	162, 609	162, 609
Chemicals.....			3, 238		509, 885
Chemicals, except coal tar.....		239		239, 000	
Pigments, paints, and varnishes.....		378		94, 500	
Fertilizers and fertilizer materials.....		2 449		159, 185	
Miscellaneous chemical products.....		172		17, 260	
Unclassified: Miscellaneous.....		31, 823	31, 823	9, 546, 900	9, 546, 900
Total.....	620, 805	253, 245	874, 050		48, 358, 597
Total receipts and shipments, coast- wise.....	736, 764	459, 846	1, 196, 610		85, 923, 007

COASTWISE IN TRANSIT, PASSING THROUGH PORT.

REMAINING ON VESSELS.					
Vegetable food products.....			20, 473		\$4, 514, 918
Grains and preparations of.....		5, 647		\$1, 196, 781	
Vegetables.....		11, 974		2, 244, 306	
Co loc, cocoa, and spices.....		2, 852		1, 073, 851	
Textiles: Cotton.....		946	946	235, 096	235, 096
Nonmetallic minerals: Coal, petroleum, and asphalt.....		7, 617	7, 617	271, 532	271, 532
Chemicals: Fertilizers and fertilizer materials.....		4, 870	4, 870	243, 200	243, 200
Unclassified: Miscellaneous.....		4, 870	4, 870	974, 164	974, 164
Total.....		38, 776	38, 776		6, 238, 970

IN AND OUT OF PORT CONSIGNED TO OTHER PORTS.

Vegetable food products: Grains and preparations of.....	14, 572	14, 572	14, 572, 000	14, 572, 000
Textiles: Cotton.....	22, 268	22, 268	13, 360, 800	13, 360, 800
Wood and paper: Boards, planks, and other sawed lumber.....	91, 481	91, 481	2, 370, 811	2, 370, 811
Nonmetallic minerals: Coal, petroleum, and asphalt.....	25, 036	25, 036	257, 271	257, 271

Domestic freight traffic—Continued.

COASTWISE IN TRANSIT, PASSING THROUGH PORT—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
IN AND OUT OF PORT CONSIGNED TO OTHER PORTS—continued.					
Ores, metals, and manufactures of, except machinery and vehicles.....			14,500		\$3,190,000
Iron and steel (hardware, cutlery, etc.).....		12,000		\$1,440,000	
Tin and zinc.....		2,500		1,750,000	
Chemicals: Fertilizers, and fertiliser materials.....		65,434	65,434	392,604	392,604
Unclassified: Miscellaneous.....		22,600	22,600	6,780,000	6,780,000
Total.....		255,891	255,891		40,923,486
Total in transit, coastwise.....		294,667	294,667		47,162,396

Domestic passenger and freight traffic.

INTRAPORT, ST. LOUIS, MO., TO CAIRO, ILL., 191 MILES (FIRST STRETCH).

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
Passengers..... 719,099							
DOWNBOUND.							
Animals and animal products, except wool and hair.....			475		\$107,200	<i>Miles.</i>	<i>Cents.</i>
Animals.....		414		\$82,800		129	3.175
Meat, poultry, and eggs.....		61		24,400		85	5
Vegetable food products.....			44,243		3,456,560		
Grains, and preparations of.....	39,665			2,001,160		155	2.87
Fodders and feeds.....	110			22,000		85	5
Coffee, cocoa, and spices.....	4,478			1,433,400		106	6.750
Wood and paper.....			13,877		68,650		
Logs and timber.....	13,867			68,500		42	2.38
Boards, planks, and other sawed lumber.....		10		50		34	3
Nonmetallic minerals.....			33,044		198,720		
Coal, petroleum, and asphalt.....	26,552	1,533		188,820		124	5.58
Stone, sand, and cement.....	4,969			9,900		18	3
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel.....		14,677	14,677	1,467,700	1,467,700	170	3.53
Machinery and vehicles.....			1,104		1,075,100		
Agricultural machinery and implements.....		570		570,000		147	12.143
Vehicles.....		534		505,100		184	2.5
Unclassified: Miscellaneous.....	2,667	32,823	35,490	6,699,442	6,699,442	123	6.07
Total.....	48,045	94,865	142,910		13,073,272	123	4.693
UPBOUND.							
Animals and animal products, except wool and hair.....			5,554		1,221,551		
Animals.....		5,100		1,017,251		106	4.03
Meat, poultry, and eggs.....		454		204,300		108	9.3
Vegetable food products.....			15,999		2,406,090		
Grains, and preparations of.....	2,687			133,300		50	7.91
Vegetables.....	234			23,400		102	11.8
Oilseeds, vegetable oils, and fats.....	1,878			9,390		112	12.604
Sugar, molasses, sirups.....	11,200			2,240,000		192	8
Textiles.....			2,096		457,600		
Cotton.....		96		57,600		192	5
Other vegetable fibers.....	2,000			400,000		51	5

Domestic passenger and freight traffic—Continued.

INTRAPORT, ST. LOUIS, MO., TO CAIRO, ILL., 191 MILES (FIRST STRETCH)—Contd.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
UPBOUND—continued.							
Wood and paper			29,049		\$213,870	Miles.	Cents.
Logs, timber, etc.	25,128	3,182		\$207,320		154	1.912
Boards, planks, and other sawed lumber	712	20		6,200		106	4
Manufactures of wood		7		350		192	4
Nonmetallic minerals			725,825		785,239		
Coal, petroleum, and as- phalt	29,709	2,440		269,720		159	5
Stone, sand, cement, etc.	689,501	4,175		515,519		117	4.31
Ores, metals, and manufactures of, except machinery and vehicles			61,939		739,360		
Iron and steel		1,333		133,300		192	4.6
Aluminum and antimony	60,606			606,060		192	6
Machinery and vehicles: Ve- hicles		307	307	237,300	237,300	171	7.46
Unclassified: Miscellaneous	39	34,434	34,473	6,899,140	6,899,140	118	4.68
Total	807,695	67,547	875,242		12,960,150	125	5.947
Total downbound and upbound	855,740	162,412	1,018,152		26,033,422	126	5.32

NOTE.—Foregoing includes 61 tons meat, poultry, and eggs; 110 tons fodders and feeds; 2,000 tons (bulk) other vegetable fibers than cotton; 1,428 tons (bulk) logs and timber; 812 tons (702 bulk, 10 package) boards and planks; 26,033 tons (bulk) coal and petroleum; 40,066 tons (35,137 bulk, 4,959 package) stone, sand, and cement; 2,706 tons (2,667 bulk, 39 package) miscellaneous unclassified, handled by Government vessels; also 10,000 tons logs in rafts towed by steamboats or motor boats. Passenger traffic includes 652,242 excursion.

INTRAPORT, CAIRO, ILL., TO MEMPHIS, TENN., 227 MILES (SECOND STRETCH).

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
Passengers.....	69,759						
DOWNBOUND.							
Animals and animal products except wool and hair			535		\$145,400	Miles.	Cents.
Animals		343		\$68,600		50	20
Meat, poultry, and eggs		192		76,800		40	15
Vegetable food products			42,480		407,560		
Grains, and preparations of		41,035		265,450		96	6.5
Fodders and feeds		800		45,000		50	8
Vegetables		645		64,500		50	16
Textiles: Cotton		4,847	4,847	2,480,700	2,480,700	33	20
Wood and paper			250,082		1,486,356		
Logs and timber	237,979	3,436		1,266,255		133	2.66
Boards, planks, and other sawed lumber	8,660	20		216,750		126	3.75
Manufactures of wood		7		350		227	4
Nonmetallic minerals			508,643		1,157,488		
Coal petroleum, asphalt	139,096	9,053		865,097		171	6.83
Stone, sand, cement, etc.	351,319	4,175		262,391		190	3.58
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel		27,425	27,425	2,742,500	2,742,500	192	5.65
Machinery and vehicles: Vehicles		2,502	2,502	800,300	800,300	224	3.25
Unclassified: Miscellaneous		20,068	20,068	5,933,600	5,933,600	165	12.5
Total	737,044	124,148	861,192		15,154,293	164	9.087

Domestic passenger and freight traffic—Continued.

INTRAPORT, CAIRO, ILL., TO MEMPHIS, TENN., 227 MILES—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Aver- age haul.	Rate per ton- mile.
	Bulk.	Package.		By com- modities.	By classes.		
UPBOUND.							
Animals and animal products, except wool and hair.....			1, 123		\$420, 525	Miles.	Cents.
Animals.....	162			336, 125		66	15. 33
Meat, poultry, and eggs.....	961			384, 400		50	17
Vegetable food products.....			14, 697		2, 496, 925		
Grains, and preparations of.....	1, 493			83, 180		64	11. 33
Fodders and feeds.....	807			48, 420		55	9
Vegetables.....	821			82, 100		60	18
Fruits and nuts.....	190			38, 000		90	20
Oil seeds, vegetable oils, and fats.....	186			5, 225		25	19. 5
Sugar, molasses, sirups.....	11, 200			2, 240, 000		227	6
Other vegetable products: Na- val stores, gums, and resins.....	2		2	250	250	118	8
Textiles: Cotton.....	2		2	1, 400	1, 400	118	3
Wood and paper.....			43, 048		219, 545		
Logs and timber.....	42, 763	139		214, 510		110	2. 66
Boards, planks, and other sawed lumber.....	1	115		3, 535		69	6. 25
Manufactures of wood.....		30		1, 500		227	4
Nonmetallic minerals.....			10, 700		114, 271		
Coal, petroleum, asphalt, Clay and clay products.....		10, 699		114, 211		73	11. 38
Ores, metals and manufactures of, except machinery and ve- hicles.....		1		60		3	5
Iron and steel.....		1, 916	62, 522		797, 260		
Aluminum and antimony.....		60, 606		191, 200		79	15. 9
Machinery and vehicles: Metal- working machinery.....		1	1	606, 060		227	6
Chemicals.....		1	3	60	60	3	5
Chemicals, except coal-tar.....		1		60	1, 080		
Medicinal and pharmaceu- tical preparations.....		1		60		118	10
Unclassified: Miscellaneous.....		2		1, 020		118	10
		55, 142	55, 142	11, 018, 400	11, 018, 400	102	21. 4
Total.....	42, 764	144, 476	187, 240		15, 089, 716	149	10. 702
Total downbound and upbound.....	779, 808	268, 624	1, 048, 432		30, 224, 009	161	9. 894

NOTE.—The foregoing includes 36 tons grains and preparations of; 2 tons naval stores; 2 tons cotton; 1 ton boards and planks; 5,187 tons coal and petroleum; 1 ton clay and clay products; 1 ton metal-working machinery; 1 ton chemicals except coal-tar; 5 tons medicinal and pharmaceutical preparations, handled by Government vessels, also 3,487 tons logs in rafts towed by steamboats and motor boats.

INTRAPORT, MEMPHIS, TENN., TO VICKSBURG, MISS., 375 MILES (THIRD STRETCH).

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
Passengers.....	477, 155						
DOWNBOUND.							
Animals and animal products, except wool and hair.....			6, 990		\$2, 056, 325	<i>Miles.</i>	<i>Cents.</i>
Animals.....	3, 224			\$666, 325		131	10. 22
Meat, poultry, and eggs.....	2, 685			992, 500		54	11. 63
Dairy products.....	629			189, 700		83	8
Fish.....	35			14, 000		30	12. 5
Animal and fish oils, fats, and greases.....	301			124, 400		38	10. 83
Hides and skins, except furs.....	2			1, 000		90	10

Domestic passenger and freight traffic—Continued.

INTRAPORT, MEMPHIS, TENN., TO VICKSBURG, MISS., 375 MILES—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNSOUND—continued.							
Animals and animal products, except wool and hair—Con.						Miles.	Cents.
Leather manufactures.....		114		\$68,400		50	16
Vegetable food products.....			72,500	\$3,702,668			
Grains, and preparations of.....		49,568		838,208		131	5.57
Fodders and feeds.....		4,742		318,920		140	8.38
Vegetables.....		630		56,320		31	19.1
Fruits and nuts.....		955		113,000		49	17.5
Oilseeds, vegetable oils, and fats.....		4,387		214,060		64	12.13
Coffee, cocoa, and spices.....		46		22,300		54	9.88
Sugar, molasses, sirups.....		12,172		2,139,900		74	13.58
Other vegetable products.....			2,511	291,375			
Naval stores, gums, and resins.....		2,011		251,375		77	8
Seeds for sowing.....		300		24,000		180	5
Miscellaneous vegetable products.....		200		16,090		210	2.5
Textiles.....			16,001	9,495,250	9,520,480	176	6.5
Cotton.....		15,965					
Miscellaneous textile products.....		36		25,200		3	5
Wood and paper.....			75,200		389,293		
Logs, timber, etc.....	71,360	354		259,039		113	2.36
Boards and sawed lumber.....		3,449		117,838		167	6.83
Manufactures of wood.....		37		12,350		196	7
Nonmetallic minerals.....			121,936		478,156		
Coal, petroleum, asphalt.....	52,050	6,548		381,228		178	5.39
Stone, sand, cement.....	63,029	289		96,930		121	3.89
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel.....		29,840	29,840	2,927,885	2,927,805	174	9.26
Machinery and vehicles.....			3,268		726,369		
Electrical machinery and apparatus.....		21		8,300		33	11.5
Constructing and conveying machinery.....		360		180,000		60	18
Mining, oil-well, and pumping machinery.....		3		600		60	5
Metal-working machinery.....		71		4,260		3	5
Other machinery, except agricultural.....		109		9,300		80	6.25
Agricultural machinery and implements.....		225		52,500		62	9
Vehicles.....		2,539		471,400		124	8.25
Chemicals.....			26		6,010		
Chemicals, except coal tar.....		10		600		3	10
Medicinal and pharmaceutical preparations.....		5		2,550		3	10
Pigments, paints, and varnishes.....		11		2,860		3	5
Unclassified.....			37,022		7,391,400		
Toys, athletic and sporting goods.....		10		1,000		138	10
Miscellaneous.....		37,012		7,390,400		180	13.83
Total.....	186,439	178,855	365,204		27,480,782	107	9.029
UPBOUND.							
Animals and animal products, except wool and hair.....			4,248		1,090,826		
Animals.....		2,832		547,125		136	9.39
Meat, poultry, and eggs.....		961		384,408		50	17
Dairy products.....		230		60,000		50	15
Fish.....		10		1,000		140	4
Animal and fish oils, fats, and greases.....		215		89,000		94	10.7
Vegetable food products.....			34,099		4,129,190		
Grains, and preparations of.....		11,282		703,760		150	5.73
Fodders and feeds.....		770		16,800		95	10.7
Vegetables.....		511		48,880		70	13.35
Fruits and nuts.....		60		11,500		69	20.47

Domestic passenger and freight traffic—Continued.

INTRAPORT, MEMPHIS, TENN., TO VICKSBURG, MISS., 375 MILES—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND—continued.							
Vegetable food products—Continued.						<i>Miles.</i>	<i>Cents.</i>
Oilseeds, vegetable oils, and fats		5,133		\$79,540		84	16.73
Coffee, cocoa, and spices		65		13,000		93	10.7
Sugar, molasses, sirups		16,278		3,255,600		154	12
Other vegetable products			4,102		\$538,250		
Naval stores, gums, and resins		2,002		250,250		131	8.5
Crude drugs and essential oils		1,000		200,000		143	5
Seeds for sowing		1,100		88,000		143	5
Textiles: Cotton		6,110	6,110	4,876,950	4,876,950	72	10
Wood and paper			115,184		565,744		
Logs, timber, etc.	112,566	20		533,459		154	27.25
Boards and sawed lumber	1,436	1,082		40,785		86	4.75
Manufactures of wood		80		21,500		196	7
Nonmetallic minerals			283,963		3,282,575		
Coal, petroleum, asphalt	48,727	10,747		3,068,645		122	7.71
Stone, sand, and cement	224,508	10		223,870		45	10.75
Clay and clay products		1		60		3	5
Ores, metals and manufactures of, except machinery and vehicles			58,439		817,270		
Iron and steel		3,333		266,210		136	7.28
Aluminum and antimony	55,106			551,060		375	6
Machinery and vehicles			1,319		348,710		
Electrical machinery and apparatus		9		4,500		60	18
Construction and conveying machinery		189		113,400		60	18
Mining, oil-well, and pumping machinery		70		1,400		180	1
Metal-working machinery		1		60		3	5
Other machinery, except agricultural		120		5,150		135	7
Agricultural machinery and implements		50		50,000		16	9
Vehicles		880		174,200		89	9.67
Chemicals			3		1,080		
Chemicals, except coal tar		1		60		118	10
Medicinal and pharmaceutical preparations		2		1,020		118	10
Unclassified			64,972		13,037,900		
Scientific and professional instruments, apparatus, etc.		35		35,000		143	25
Musical instruments		30		15,000		143	15
Miscellaneous office supplies		10		1,000		143	12
Miscellaneous		64,897		12,988,900		167	9.37
Total	442,343	130,126	572,469		28,718,194	128	10.12
Total downbound and upbound	628,782	308,981	937,763		56,207,976	120	9.57

NOTE.—The foregoing includes 129 tons animals; 7 tons meat, poultry, and eggs; 2 tons dairy products; 20 tons animal and fish oils, fats, and greases; 536 tons grains and preparations of; 629 tons fodders and feeds; 103 tons vegetables; 10 tons fruits and nuts; 222 tons oilseeds, vegetable oils, and fats; 51 tons coffee, cocoa, and spices; 1 ton sugar; 13 tons naval stores; 2 tons cotton; 36 tons miscellaneous textile products; 35,200 tons (bulk) logs and timber; 373 tons (117 bulk, 256 package) boards and planks; 19,066 tons (9,948 bulk, 9,118 package) coal and petroleum; 45,573 tons (45,329 bulk, 244 package) stone, sand, and gravel; 1,628 tons iron and steel; 5 tons electrical machinery and apparatus; 73 tons mining, oil-well, and pumping machinery; 71 tons metal-working machinery; 70 tons textile, sewing, and shoe machinery; 9 tons other machinery, except agricultural; 10 tons vehicles; 11 tons chemicals, except coal tar; 7 tons medicinal and pharmaceutical preparations; 11 tons pigments, paints, and varnishes, handled by Government vessels, also 12,000 tons logs in rafts towed by steamboats and motor boats. Passenger traffic includes 357,272 excursion.

Domestic passenger and freight traffic—Continued.

INTRAPORT, VICKSBURG, MISS., TO NEW ORLEANS, LA. (FOURTH STRETCH), 374 MILES.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
Passengers.....	267,349						
DOWNBOUND.							
Animals and animal products, except wool and hair.....			4,133	\$1,242,745		<i>Miles.</i>	<i>Cents.</i>
Animals.....		962		\$276,800		107	7.21
Meat, poultry, and eggs.....		1,328		470,425		109	6.45
Dairy products.....		1,601		480,400		58	6.4
Hides and skins, except furs.....		252		15,120		160	8.5
Vegetable food products.....			213,387	21,901,690			
Grains, and preparations of.	171,885			11,778,940		129	4.57
Fodders and feeds.....	823			50,180		183	6.58
Vegetables.....	7,141			708,690		98	4.16
Fruits and nuts.....	679			54,320		110	5
Oilseeds and vegetable oils.	2,950			217,500		180	6
Coffee, cocoa, and spices.	3,457			799,960		62	3.77
Sugar, molasses, sirups.	19,636			2,158,000		108	4.88
Beverages.....	6,816			6,134,100		110	5
Other vegetable products.....			13,490	1,508,000			
Naval stores, gums, and resins.....		12,990		1,324,000		180	6.5
Seeds for sowing.....		300		24,000		150	5
Miscellaneous vegetable products.....		200		160,000		210	2.5
Textiles.....			26,651	14,994,780			
Cotton.....		24,077		14,435,600		195	4.3
Other vegetable fibers.....		2,573		557,180		78	2.9
Wool and hair.....		1		2,000		25	0.8
Wood and paper.....			263,939	5,297,779			
Logs and timber.....	200,890	30,302		4,110,486		114	2.7
Boards and sawed lumber.	21,500	20,388		1,133,198		133	7.5
Manufactures of wood.....		161		19,185		209	10
Paper, except printed matter.....		698		34,900		110	5
Nonmetallic minerals.....			1,479,272	14,987,509			
Coal, petroleum, asphalt.	624,620	625,949		14,661,177		152	4.35
Stone, sand, cement.....	222,487	200		305,276		68	2.5
Other nonmetallic minerals.		6,016		21,056		110	5
Ores, metals, and manufactures of, except machinery and vehicles.....			37,252	5,736,500			
Iron and steel.....		30,593		3,072,800		197	3.61
Lead, mercury, and nickel.		6,659		2,663,600		110	5
Machinery and vehicles.....			2,325	386,329			
Power-generating machinery, except electric.....		300		45,000		210	10
Electrical machinery and apparatus.....		1		3,600		25	.8
Constructing and conveying machinery.....		6		270		25	.8
Mining, oil well, and pumping machinery.....		2		4,400		25	.8
Other machinery, except agricultural.....		888		173,859		100	7.5
Vehicles.....		1,128		159,200		269	6.25
Chemicals.....			3,238	509,885			
Chemicals, except coal tar.		239		239,000		110	5
Pigments, paints, and varnishes.....		378		94,500		110	5
Fertilizer and fertilizer materials.....		2,449		159,185		110	5
Miscellaneous chemical products.....		172		17,200		110	5
Unclassified.....			69,393	16,756,150			
Musical instruments.....		30		15,000		138	15
Miscellaneous office supplies.....		5		500		138	12
Miscellaneous.....		69,358		16,740,650		162	8.9
Total.....	1,069,497	1,043,583	2,113,080	83,321,367		137	5.45

Domestic passenger and freight traffic—Continued.

INTRAPORT, VICKSBURG, MISS., TO NEW ORLEANS, LA. 374 MILES—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.	
	Bulk.	Package.		By commodities.	By classes.			
UPBOUND.								
Animals and animal products, except wool and hair			7,471		\$2,177,685	Miles.	Cents.	
Animals		1,563		\$402,825		118	6.67	
Meat, poultry, and eggs		1,030		328,400		85	8.01	
Dairy products		144		92,700		83	7.35	
Fish		4,158		1,138,160		93	5.84	
Animal and fish oils		385		124,000		115	5.76	
Leather		1		1,600		250	.8	
Leather manufactures		175		75,000		155	11	
Furs, and manufactures of		15		15,000		210	12	
Vegetable food products			105,567		16,896,505			
Grains, and preparations of		11,404		722,080		138	5.06	
Fodders and feeds		800		48,000		95	10.7	
Vegetables		10,255		2,526,125		101	4.96	
Fruits and nuts		1,680		183,190		118	6.2	
Oilseeds and vegetable oils		1,460		71,300		113	7.33	
Coffee, cocoa, and spices		1,390		517,500		114	5.57	
Sugar, molasses, sirups		78,113		12,540,200		156	5.3	
Beverages		465		288,100		143	3.27	
Other vegetable products			2,275		285,660			
Rubber		2		2,000		175	.8	
Naval stores, gums, resins		105		10,860		160	2.9	
Dyeing and tanning materials of vegetable origin		10		3,000		143	.8	
Seeds for sowing		835		67,500		177	4	
Nursery and greenhouse stock		90		9,000		143	5	
Tobacco		1,232		192,800		154	7	
Miscellaneous vegetable products		1		500		200	.8	
Textiles			8,196		1,079,960			
Cotton		161		93,300		172	2.9	
Other vegetable fibers		7,673		779,760		130	2.9	
Wool and hair		361		202,900		155	3	
Miscellaneous textile products		1		4,000		340	.8	
Wood and paper			48,401		771,565			
Logs, timber	32,181	200		165,687		74	2.75	
Boards and sawed lumber	8,004	1,506		269,243		97	4.85	
Manufactures of wood		161		19,185		209	10	
Paper, except printed matter			6,349		317,450		110	5
Nonmetallic minerals			544,971		12,270,415			
Coal, petroleum, asphalt	367,720	131,304		11,755,526		157	4.74	
Stone, sand, cement	34,470	3,451		372,640		120	2.9	
Glass and glass products		2		1,600		200	.8	
Clay and clay products		7,604		114,985		130	2.9	
Other nonmetallic minerals		420		25,664		90	3.95	
Ores, metals, and manufactures of, except machinery and vehicles			16,503		1,435,400			
Iron and steel	368	10,251		1,222,800		151	7.08	
Aluminum and antimony	5,500			55,000		367	6	
Copper, brass, and bronze		379		155,600		165	2.9	
Lead, mercury, and nickel		4		800		200	.8	
Tin and zinc		1		1,200		200	.8	
Machinery and vehicles			3,747		752,400			
Power-generating machinery, except electric		550		82,500		210	10	
Electrical machinery and apparatus		20		72,000		200	.8	
Construction and conveying machinery		670		30,150		200	.8	
Mining, oil-well, and pumping machinery		10		22,000		200	.8	
Metal-working machinery		8		4,200		350	.8	
Other machinery, except agricultural		1,564		305,800		165	7.5	
Agricultural machinery and implements		230		84,750		75	11.25	
Vehicles		665		151,000		280	5.4	

Domestic passenger and freight traffic—Continued.

INTRAPORT, VICKSBURG, MISS., TO NEW ORLEANS, LA., 374 MILES—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton- mile
	Bulk.	Package.		By com- modities.	By classes.		
UPBOUND—continued.							
Chemicals.....			48,514		\$2,407,552	Miles.	Cents.
Coal-tar products.....		60		\$2,600		125	6.75
Chemicals, except coal tar.....		829		810,494		80	15
Medicinal and pharmaceu- tical preparations.....		151		41,500		205	5.4
Pigments, paints, varnishes.....		1,725		419,080		173	3.27
Fertilizers, and fertilizer materials.....		38,878		272,668		58	7.5
Explosives, ammunition, and fireworks.....		966		266,670		173	8.6
Miscellaneous chemical products.....		5,905		594,540		118	6.45
Unclassified.....			116,019		27,699,425		
Miscellaneous office sup- plies.....		86		6,875		205	5.4
Toys, athletic, and sport- ing goods.....		25		2,500		250	10
Miscellaneous.....		115,908		27,690,050		164	8.25
Total.....	448,243	453,421	901,664		65,776,567	147	3.06
Total downbound and upbound.....	1,517,740	1,497,004	3,014,744		149,097,934	140	5.32

NOTE.—The foregoing includes 78 tons animals; 45 tons meat, poultry, and eggs; 20 tons dairy products; 1 ton fish; 10 tons animal and fish oils, fats, and greases; 1 ton leather; 128 tons grains and preparations of; 53 tons vegetables; 17 tons fruits and nuts; 19 tons coffee and cocoa; 23 tons sugar and molasses; 1 ton beverages; 2 tons rubber; 4 tons naval stores; 1 ton miscellaneous vegetable products; 13 tons cotton; 84 tons other vegetable fibers; 4 tons wool and hair; 1 ton miscellaneous textile products; 60,541 tons (bulk) logs and timbers; 6,851 tons (bulk) boards and planks; 35,754 tons (35,510 bulk, 244 package) coal and petroleum; 58,539 tons (58,339 bulk, 200 package) stone, sand, and cement; 2 tons glass and glass products; 5 tons clay and clay products; 380 tons (368 bulk, 12 package) iron and steel; 10 tons copper, brass, and bronze; 4 tons lead, mercury, and nickel; 1 ton tin and zinc; 21 tons electrical machinery and apparatus; 676 tons construction and conveying machinery; 12 tons mining, oil-well and pumping machinery; 8 tons metal-working machinery; 95 tons vehicles; 1 ton medicinal and pharmaceutical preparations; 17 tons pigments, paints, and varnishes; 9 tons miscellaneous chemical products; 1 ton miscellaneous office supplies; 3 tons miscellaneous unclassified, handled by Government vessels; also 139,834 tons logs in raft towed by steamboats or motor boats. Passenger traffic includes 139,164 excursion.

Domestic passenger and freight traffic—Continued.

LOCAL, AT PRINCIPAL PORTS ON MISSISSIPPI RIVER.

AT ST. LOUIS, MO.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Passengers.....	719,097				
RECEIPTS.					
Animals and animal products, except wool and hair.....			5,507		\$1,214,000
Animals.....		5,063		\$1,010,600	
Meat, poultry, and eggs.....		454		204,300	
Vegetable food products.....			14,372		2,336,390
Grains, and preparations of.....		1,060		63,600	
Vegetables.....		234		23,400	
Oilseeds, vegetable oils, and fats.....		1,878		9,390	
Sugar, molasses, sirups, honey, and confectionery.....		11,200		2,240,000	
Textiles.....			2,096		457,600
Cotton.....		96		57,600	
Other vegetable fibers.....	2,000			400,000	
Wood and paper: Logs, timber, unmanufactured or partly manufactured wood.....	23,700	3,182	26,882	195,420	195,420
Nonmetallic minerals: Coal, petroleum, and asphalt.....	16,782	2,455	19,237	192,370	192,370
Ores, metals, and manufactures of, except machinery and vehicles.....			61,939		739,360
Iron and steel (hardware, cutlery, etc.).....		1,333		1,333,000	
Aluminum and antimony.....	60,606			606,060	
Machinery and vehicles: Vehicles.....		307	307	237,300	237,300
Unclassified: Miscellaneous.....		34,284	34,284	6,856,800	6,856,800
Total receipts.....	103,068	61,536	164,624		12,230,140
SHIPMENTS.					
Animals and animal products, except wool and hair.....			475		107,200
Animals.....		414		82,800	
Meat, poultry, and eggs.....		61		24,400	
Vegetable food products.....			44,493		3,464,310
Grains, and preparations of.....		39,605		1,998,910	
Fodders and feeds.....		110		22,000	
Coffee, cocoa, and spices.....		4,778		1,443,400	
Wood and paper.....			27		850
Boards, planks, and other sawed lumber.....		20		500	
Manufactures of wood.....		7		350	
Nonmetallic minerals.....			643,947		568,381
Coal, petroleum, and asphalt.....	25,416	2,669		188,850	
Stone, sand, cement, and plaster.....	611,687	4,175		379,631	
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel (hardware, cutlery, etc.).....		14,677	14,677	1,467,700	1,467,700
Machinery and vehicles.....			1,070		1,070,000
Agricultural machinery and implements.....		570		570,000	
Vehicles.....		500		500,000	
Unclassified: Miscellaneous.....	2,667	32,781	35,428	6,687,042	6,687,042
Total shipments.....	639,770	100,347	740,117		13,365,483
Total receipts and shipments.....	742,858	161,883	904,741		25,595,723

NOTE.—Above includes 61 tons meat, poultry, and eggs; 110 tons fodders and feeds; 2,000 tons (bulk) other vegetable fibers; 13,106 tons (bulk) nonmetallic minerals; 2,323 tons (bulk) stone, sand, cement, and plaster; 2,667 tons (bulk) miscellaneous, handled by Government vessels. Passenger traffic includes 552,242 excursion.

Domestic passenger and freight traffic—Continued.

LOCAL, AT PRINCIPAL PORTS ON MISSISSIPPI RIVER—Continue .

AT MEMPHIS, TENN.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Passengers.....	514,540				
RECEIPTS.					
Animals and animal products, except wool and hair.....			3,981		\$1,100,806
Animals.....		2,311		\$462,200	
Meat, poultry, and eggs.....		976		388,000	
Dairy products.....		230		69,000	
Fish.....		51		17,406	
Animal and fish oils, fats, and greases.....		356		142,400	
Hides and skins, except fur skins.....		43		21,600	
Leather manufactures.....		14		8,400	
Vegetable food products.....			14,549		1,454,535
Grains, and preparations of.....		3,777		224,860	
Fodders and feeds.....		967		52,920	
Vegetables.....		1,142		109,990	
Fruits and nuts.....		195		38,500	
Oilseeds, vegetable oils, and fats.....		3,678		68,265	
Sugar, molasses, sirups, honey, and confectionery.....		4,800		960,000	
Other vegetable products, except fibers and wood: Naval stores, gums, and rosins.....		2	2	260	260
Textiles: Cotton.....		5,402	5,402	2,518,960	2,518,960
Wood and paper.....			45,139		267,025
Logs, timber, also manufactured or partly manufactured wood.....	43,284	350		228,465	
Boards, planks, and other sawed lumber.....	1,318	187		38,600	
Nonmetallic minerals.....			43,738		2,737,936
Coal, petroleum, and asphalt.....	41,229	2,508		2,737,876	
Clay and clay products.....		1		60	
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel (hardware, cutlery, etc.).....		645	645	57,020	57,020
Machinery and vehicles.....			1,108		293,650
Electrical machinery and apparatus.....		9		4,500	
Construction and conveying machinery.....		189		113,400	
Other machinery, except agricultural.....		50		3,750	
Vehicles.....		890		172,000	
Unclassified: Miscellaneous.....		6,683	6,683	1,320,000	1,320,000
Total.....	85,831	35,416	121,247		9,765,772
SHIPMENTS.					
Animals and animal products, except wool and hair.....			6,197		1,780,350
Animals.....		2,750		559,450	
Meat, poultry, and eggs.....		2,648		973,000	
Dairy products.....		627		188,100	
Fish.....		35		14,000	
Animal and fish oils, fats, and greases.....		137		54,800	
Vegetable food products.....			16,132		1,338,396
Grains, and preparations of.....		8,245		467,128	
Fodders and feeds.....		1,110		365,720	
Vegetables.....		1,212		108,700	
Fruits and nuts.....		925		107,000	
Oilseeds, vegetable oils, and fats.....		4,185		203,250	
Coffee, cocoa, and spices.....		25		9,500	
Sugar, molasses, sirups, honey, and confectionery.....		430		77,000	
Other vegetable products, except fibers and wood: Naval stores, gums, and rosins.....		11	11	1,375	1,375
Textiles.....			18,774		11,061,250
Cotton.....		18,738		11,006,060	
Miscellaneous textile products.....		36		25,200	
Wood and paper.....			51,563		534,968
Logs, timber, also unmanufactured or partly manufactured wood.....	39,237	457		198,470	
Boards, planks, and other sawed lumber.....	8,650	3,219		325,833	

Domestic passenger and freight traffic—Continued.

LOCAL, AT PRINCIPAL PORTS ON MISSISSIPPI RIVER—Continued.

AT MEMPHIS, TENN.—continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS—continued.					
Nonmetallic minerals.....			459,539		\$927,110
Coal, petroleum, and asphalt.....	102,526	6,322		\$642,403	
Stone, sand, cement, and plaster.....	346,516	4,175		284,707	
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel (hardware, cutlery, etc.).....		6,213	6,213	564,705	564,705
Machinery and vehicles.....			4,994		1,400,360
Electrical machinery and apparatus.....		21		8,300	
Construction and conveying machinery.....		300		180,000	
Metal-working machinery.....		71		4,280	
Other machinery, except agricultural.....		100		7,500	
Agricultural machinery and imple- ments.....		200		40,000	
Vehicles.....		4,302		1,160,300	
Chemicals.....			26		6,010
Chemicals, except coal tar.....		10		600	
Medicinal and pharmaceutical prepara- tions.....		5		2,550	
Pigments, paints, and varnishes.....		11		2,860	
Unclassified: Miscellaneous.....		10,426	10,426	2,070,200	2,070,200
Total.....	496,929	76,946	573,875		19,652,961
Total receipts and shipments.....	582,760	112,362	695,122		29,418,733

NOTE.—Foregoing includes 54 tons animals; 80 tons grains and preparations of; 13 tons naval stores; 36 tons miscellaneous textile products; 7,398 tons (3,600 bulk, 3,798 package) coal and petroleum; 7,260 tons (bulk) stone, sand, and cement; 1 ton clay and clay products; 30 tons electrical machinery and apparatus; 71 tons metal-working machinery; 10 tons chemicals, except coal tar; 5 tons medicinal and pharmaceutical preparations; 11 tons pigments, paints, and varnishes, handled by Government vessels; also 3,487 tons logs in rafts, towed by steamboats or motor boats. Passenger traffic includes 357,272 excursion.

AT VICKSBURG, MISS.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Passengers..... 72,657					
RECEIPTS.					
Animals and animal products, except wool and hair.....			1,142		\$364,400
Animals.....		502		\$73,400	
Meat, poultry, and eggs.....		360		144,000	
Dairy products.....		100		75,000	
Animal and fish oils, fats, and greases.....		180		72,000	
Vegetable food products.....			9,620		466,600
Grains, and preparations of.....		7,550		437,000	
Fodders and feeds.....		620		12,400	
Vegetables.....		100		3,000	
Fruits and nuts.....		10		2,000	
Oilseeds, vegetable oils, and fats.....		1,320		10,600	
Coffee, cocoa, and spices.....		20		1,600	
Other vegetable products, except fibers and wood.....			4,100		538,000
Naval stores, gums and resins.....		2,000		250,000	
Crude drugs and essential oils.....		1,000		200,000	
Seeds for sowing.....		1,100		88,000	
Textiles: Cotton.....		150	150	90,000	90,000
Wood and paper.....			3,917		55,340
Logs, timber, also unmanufactured or partly manufactured wood.....	2,800			28,000	
Boards, planks, and other sawed lumber.....		1,117		27,340	

Domestic passenger and freight traffic—Continued.

LOCAL, AT PRINCIPAL PORTS ON MISSISSIPPI RIVER—Continued.

AT VICKSBURG, MISS.—continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
RECEIPTS—continued.					
Nonmetallic minerals.....			2,478		\$12,544
Coal, petroleum, and asphalt.....	730			\$7,300	
Stone, sand, cement, and plaster.....	1,748			5,244	
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel (hardware, cutlery, etc.).....		1,073	1,073	46,500	46,500
Machinery and vehicles.....			150		3,000
Mining, oil-well, and pumping machin- ery.....		70		1,400	
Other machinery, except agricultural.....		70		1,400	
Vehicles.....		10		200	
Unclassified.....			5,782		1,193,400
Scientific and professional instruments, apparatus and supplies.....		25		35,000	
Musical instruments.....		25		12,500	
Toys, athletic and sporting goods.....		5		500	
Miscellaneous.....		5,727		1,145,400	
Total.....	5,278	23,134	28,412		2,799,784
SHIPMENTS.					
Animals and animal products, except wool and hair.....			305		67,000
Animals.....		295		63,500	
Meat, poultry, and eggs.....		7		1,500	
Dairy products.....		2		1,600	
Animal and fish oils, fats and greases.....		1		400	
Vegetable food products, oilseeds, etc.....			3,522		160,840
Grains and preparations of.....		3,306		148,740	
Fodders and feeds.....		9		180	
Vegetables.....		3		120	
Oilseeds, vegetable oils and fats.....		202		10,800	
Coffee, cocoa, and spices.....		1		800	
Sugar, molasses, sirups, honey, and confectionery.....		1		200	
Other vegetable products, except fibers and wood.....			211		17,375
Naval stores, gums, and resins.....		11		1,375	
Seeds for sowing.....		200		16,000	
Textiles: Cotton.....		157	157	94,200	94,200
Wood and paper.....			31,880		165,400
Logs, timber, also unmanufactured or partly manufactured wood.....	31,580			157,900	
Boards, planks, and other sawed lumber.....		300		7,500	
Nonmetallic minerals: Coal, petroleum, and asphalt.....	6,216	2,845	9,061	68,566	68,566
Ores, metals, and manufactures of, except machinery and vehicles: Iron and steel (hardware, cutlery, etc.).....		427	427	42,700	42,700
Machinery and vehicles: Other machinery, except agricultural.....		7	7	1,400	1,400
Unclassified.....			4,770		13,668,650
Musical instruments.....		30		15,000	
Miscellaneous office supplies.....		5		500	
Miscellaneous.....		4,735		15,653,150	
Total.....	37,796	12,544	50,340		16,286,131
Total receipts and shipments.....	43,074	35,678	78,752		19,055,915

NOTE.—The foregoing includes 225 tons animals; 367 tons meat, poultry and eggs; 102 tons dairy products; 181 tons animal and fish oils, fats and greases; 406 tons grains, and preparations of; 926 tons fodders and feeds; 103 tons vegetables; 10 tons fruits and nuts; 222 tons vegetable oils and fats; 21 tons coffee, cocoa, and spices; 1 ton sugar; 11 tons naval stores; 117 tons boards and planks; 2,308 tons (bulk) coal and petroleum; 1,748 tons (bulk) stone, sand, and gravel; 748 tons iron and steel; 70 tons mining, oil-well, and pumping machinery; 77 tons other machinery except agricultural; 10 tons vehicles, handled by Government vessels.

Domestic passenger and freight traffic—Continued.

LOCAL, AT PRINCIPAL PORTS ON MISSISSIPPI RIVER—Continued.

AT NEW ORLEANS, LA.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Passengers.....	250,072				
RECEIPTS.					
Animals and animal products, except wool and hair.....			7,107		\$2,083,910
Animals.....		1,250		\$330,650	
Meat, poultry, and eggs.....		1,030		328,400	
Dairy products.....		144		92,700	
Fish.....		4,158		1,138,160	
Animal and fish oils, fats, and greases.....		385		124,000	
Leather manufactures.....		125		55,000	
Furs, and manufactures of.....		15		15,000	
Vegetable food products, oilseeds, expressed oils, and beverages.....			98,307		16,238,580
Grains, and preparations of.....		6,404		422,090	
Fodders and feeds.....		800		48,000	
Vegetables.....		10,320		2,523,750	
Fruits and nuts.....		1,205		126,940	
Oilseeds, vegetable oils and fats.....		960		30,000	
Coffee, cocoa, and spices.....		990		402,500	
Sugar, molasses, sirups, honey, and confectionery.....		77,313		12,400,200	
Beverages.....		315		285,100	
Other vegetable products, except fibers and wood.....			1,525		283,910
Rubber.....		2		2,000	
Naval stores, gums, and resins.....		105		10,880	
Crude drugs and essential oils.....		1,000		200,000	
Tobacco.....		417		70,550	
Miscellaneous vegetable products.....		1		500	
Textiles.....			8,046		989,960
Cotton.....		11		3,300	
Other vegetable fibers.....		7,673		779,760	
Wool and hair.....		361		202,900	
Miscellaneous textile products.....		1		4,000	
Wood and paper.....			12,004		509,958
Boards, planks, and other sawed lumber.....	5,013	481		173,323	
Manufactures of wood.....		161		19,185	
Paper, except printed matter.....		6,349		317,450	
Nonmetallic minerals.....			465,343		8,095,420
Coal, petroleum, and asphalt.....	319,470	129,315		8,271,868	
Stone, sand, cement, and plaster.....	5,091	3,451		284,503	
Clay and clay products.....		7,599		113,985	
Other nonmetallic minerals.....		417		25,064	
Ores, metals, and manufactures of, except machinery and vehicles.....			8,248		569,400
Iron and steel (hardware, cutlery, etc.).....	368	1,996		356,800	
Aluminum and antimony.....	5,500			55,000	
Copper, brass, and bronze.....		379		155,600	
Lead, mercury, and nickel.....		4		800	
Tin and zinc.....		1		1,200	
Machinery and vehicles.....			2,947		647,400
Power generating machinery, except electric.....		490		73,500	
Electrical machinery and apparatus.....		20		72,000	
Construction and conveying machinery.....		670		30,150	
Mining, oil-well, and pumping machinery.....		10		22,000	
Metal-working machinery.....		8		4,200	
Other machinery, except agricultural.....		1,424		284,900	
Agricultural machinery and implements.....		230		84,750	
Vehicles.....		95		76,000	
Chemicals.....			48,364		2,374,552
Coal-tar products.....		60		2,600	
Chemicals, except coal tar.....		829		810,494	
Medicinal and pharmaceutical preparations.....		1		4,000	
Pigments, paints, and varnishes.....		1,725		419,080	
Fertilizers, and fertilizer materials.....		38,878		272,668	
Explosives, ammunition, and fireworks.....		966		266,670	
Miscellaneous chemical products.....		5,905		599,040	
Unclassified.....			106,750		25,991,875
Miscellaneous office supplies.....		86		6,875	
Miscellaneous.....		106,664		25,985,000	
Total.....	335,442	423,199	758,641		58,384,965

Domestic passenger and freight traffic—Continued.

LOCAL, AT PRINCIPAL PORTS ON MISSISSIPPI RIVER—Continued.

AT NEW ORLEANS, LA.—continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By com- modities.	By classes.
SHIPMENTS.					
Animals and animal products, except wool and hair.....			3,898		\$1,209,695
Animals.....		712		\$223,900	
Meat, poultry, and eggs.....		1,228		470,425	
Dairy products.....		1,601		480,400	
Hides and skins, except fur skins.....		357		35,070	
Vegetable food products, etc.....			199,436		14,819,090
Grains, and preparations of.....		168,985		11,648,440	
Fodders and feeds.....		488		30,080	
Vegetables.....		6,191		713,690	
Fruits and nuts.....		679		54,320	
Coffee, cocoa, and spices.....		3,457		799,960	
Sugar, molasses, sirups, honey, and confectionery.....		19,636		1,572,600	
Other vegetable products, except fibers and wood.....			12,040		1,215,000
Naval stores, gums, and resins.....		11,990		1,199,000	
Miscellaneous vegetable products.....		50		16,000	
Textiles.....			26,433		14,863,960
Cotton.....		23,859		14,304,800	
Other vegetable fibers.....		2,573		557,180	
Wool and hair.....		1		2,000	
Wood and paper.....			100,087		954,848
Logs, timber, also manufactured or partly manufactured wood.....	77,445			330,950	
Boards, planks, and other sawed lumber.....	1,500	19,338		533,698	
Manufactures of wood.....		1,106		55,300	
Books, maps, pictures, and printed matter.....		698		34,900	
Nonmetallic minerals.....			921,791		11,295,349
Coal, petroleum, and asphalt.....	288,312	625,604		11,265,398	
Stone, sand, cement, and plaster.....	1,659	200		8,865	
Other nonmetallic minerals.....		6,016		21,056	
Ores, metals, and manufactures of, except machinery and vehicles.....			41,886		6,191,150
Iron and steel (hardware, cutlery, etc.).....		35,227		3,527,550	
Lead, mercury, and nickel.....		6,659		2,663,600	
Machinery and vehicles.....			2,223		316,929
Power generating machinery, except electric.....		200		30,000	
Electrical machinery and apparatus.....		1		3,600	
Construction and conveying machinery.....		6		270	
Other machinery, except agricultural.....		898		173,859	
Vehicles.....		1,128		109,200	
Chemicals.....			3,238		509,885
Chemicals, except coal-tar.....		239		239,000	
Pigments, paints, and varnishes.....		378		94,500	
Fertilizers and fertilizer materials.....		2,449		159,185	
Miscellaneous chemical products.....		172		17,200	
Unclassified: Miscellaneous.....		62,863	62,863	15,653,150	15,653,150
Total.....	368,916	1,004,979	1,373,895		67,029,076
Total receipts and shipments.....	704,358	1,428,178	2,132,536		125,414,041

NOTE.—The foregoing includes 78 tons animals; 45 tons meat, poultry, and eggs; 20 tons dairy products; 1 ton fish; 10 tons animal and fish oils, fats, and greases; 128 tons grains and preparations of; 52 tons vegetables; 17 tons fruits and nuts; 125 tons coffee, cocoa, and spices; 1-ton beverages; 2 tons rubber; 1 ton miscellaneous vegetable products; 13 tons cotton; 84 tons other vegetable fibers; 4 tons wool and hair; 1 ton miscellaneous textile products; 19,815 tons (bulk) logs and timber; 1,500 tons boards and planks; 179,664 tons (179,420 bulk, 244 package) coal and petroleum; 6,750 tons (bulk) stone, sand, and cement; 380 tons (368 bulk, 12 package) iron and steel; 10 tons copper, brass, and bronze; 4 tons lead, mercury, and nickel; 1 ton tin and zinc; 21 tons electrical machinery and apparatus; 676 tons construction and conveying machinery; 10 tons mining, oil-well, and pumping machinery; 8 tons metal-working machinery; 95 tons vehicles; 1 ton medicinal and pharmaceutical preparations; 17 tons pigments, paints, and varnishes; 11 tons explosives; 9 tons miscellaneous chemical products; 1 ton miscellaneous office supplies; 3 tons miscellaneous unclassified, handled by Government vessels; also 60,000 tons logs in rafts towed by steamboat or motor boats. Passenger traffic includes 189,164 excursion.

*Domestic passenger and freight traffic—Continued.***FERRY TRAFFIC (RAILROAD CAR FERRY AND GENERAL FERRY).**

Classes.	Amounts in short tons.	Value.
AT ST. LOUIS, MO.		
Animals and animal products, except wool and hair	291	\$302,455
Textiles.....	800	480,000
Wood and paper.....	135,900	4,077,000
Nonmetallic minerals.....	2,002,680	40,053,600
Ores, metals and manufactures of, except machinery and vehicles.....	55,600	5,560,000
Machinery and vehicles.....	161,916	71,791,000
Unclassified.....	297,625	59,525,000
Total (passengers, 134,112).....	2,654,812	181,789,055
AT COMMERCE, MO., AND CAPE GIRARDEAU, MO.		
Animals and animal products, except wool and hair	738	218,050
Vegetable food products.....	1,828	48,280
Wood and paper.....	20	2,400
Machinery and vehicles.....	10,059	3,134,100
Unclassified.....	1,416	283,200
Total (passengers, 47,999).....	14,061	3,686,030
AT CAIRO, ILL., BIRDS POINT, MO., WICKLIFFE, KY., AND RICHARDSON, TENN.		
Animals and animal products, except wool and hair	258	102,500
Vegetable food products.....	216	43,200
Other vegetable products, except fibers and wood.....	4	800
Textiles.....	1	600
Wood and paper.....	29	1,450
Nonmetallic minerals.....	1	25
Ores, metals and manufactures of, except machinery and vehicles.....	11	1,100
Machinery and vehicles.....	15,406	7,703,000
Chemicals.....	3	3,000
Unclassified.....	3,408	680,200
Total (passengers, 129,528).....	19,332	8,535,875
AT MEMPHIS, TENN., AND PRESIDENTS ISLAND.		
Animals and animal products, except wool and hair	810	324,000
Vegetable food products.....	40	8,000
Textiles.....	16	9,600
Wood and paper.....	124	6,200
Machinery and vehicles.....	1,730	865,000
Unclassified.....	616	123,200
Total (passengers, 54,211).....	3,336	1,336,000
AT HELENA, ARK., AND TROTTERS POINT, MISS.		
Animals and animal products, except wool and hair	5,309	1,597,700
Vegetable food products.....	49,597	9,919,400
Other vegetable products, except fibers and wood.....	2,230	446,000
Textiles.....	2,757	1,654,200
Wood and paper.....	41,564	12,461,700
Nonmetallic minerals.....	61,143	1,222,860
Ores, metals and manufactures of, except machinery and vehicles.....	2,571	257,100
Machinery and vehicles.....	1,300	650,000
Chemicals.....	518	518,000
Unclassified.....	2,299	459,800
Total (passengers, 152,137).....	169,288	29,186,760
AT VICKSBURG, MISS., AND DELTA POINT, LA.		
Animals and animal products, except wool and hair	8,416	2,167,800
Vegetable food products.....	14,673	2,938,700
Other vegetable products, except fibers and wood.....	7,255	1,451,000
Textiles.....	2,986	1,791,600
Wood and paper.....	36,288	10,880,400
Nonmetallic minerals.....	71,870	1,441,000
Ores, metals and manufactures of, except machinery and vehicles.....	66,937	6,693,700
Machinery and vehicles.....	23,664	11,842,000
Chemicals.....	17,808	17,808,000
Unclassified.....	918,115	183,710,400
Total (passengers, 199,287).....	1,168,032	240,724,600

Domestic passenger and freight traffic—Continued.

FERRY TRAFFIC (RAILROAD CAR FERRY AND GENERAL FERRY)—Continued.

Classes.	Amounts in short tons.	Value.
AT NATCHEZ, MISS.; VIDALIA, LA.; BATON ROUGE, LA.; PORT ALLEN, LA.; BAYOU SARA, LA.; PLAQUEMINE, LA.; AND ANCHORAGE, LA.		
Animals and animal products, except wool and hair.....	9,133	\$3,524,800
Vegetable food products.....	618,491	119,141,340
Other vegetable products, except fibers and wood.....	31,055	6,811,000
Textiles.....	102,464	46,475,800
Wood and paper.....	402,470	87,962,800
Nonmetallic minerals.....	1,068,046	218,473,090
Ores, metals and manufactures of, except machinery and vehicles.....	46,520	4,855,390
Machinery and vehicles.....	18,554	10,231,400
Chemicals.....	14,214	8,961,140
Unclassified.....	200,467	26,290,520
Total (passengers, 633,315).....	2,544,414	532,733,290
AT NEW ORLEANS, LA.		
Animals and animal products, except wool and hair.....	35,612	10,698,000
Vegetable food products.....	451,504	90,300,800
Textiles.....	100,290	60,174,000
Wood and paper.....	205,844	61,753,200
Nonmetallic minerals.....	531,750	10,695,000
Ores, metals and manufactures of, except machinery and vehicles.....	231,612	23,161,200
Machinery and vehicles.....	487,969	243,984,500
Unclassified.....	3,128,706	625,741,200
Total (passengers, 7,989,107).....	5,176,287	1,126,507,900
Grand total (passengers, 8,887,179).....	11,749,562	2,124,499,490
RECAPITULATION OF FOREGOING FERRY TRAFFIC.		
Animals and animal products, except wool and hair.....	60,567	18,935,305
Vegetable food products.....	1,136,349	222,399,720
Other vegetable products, except fibers and wood.....	43,644	8,708,800
Textiles.....	209,314	110,585,800
Wood and paper.....	822,239	177,145,150
Nonmetallic minerals.....	3,768,490	271,885,565
Ores, metals and manufactures of, except machinery and vehicles.....	403,251	40,628,480
Machinery and vehicles.....	720,618	350,204,000
Chemicals.....	32,543	27,293,140
Unclassified.....	4,552,647	896,813,520
Total (passengers, 8,887,179).....	11,749,562	2,124,499,490

NOTE.—Transfer of empty cars not included in tonnage at railroad transfer points.

Domestic passenger and freight traffic—Continued.

SUMMARY.

Classes of commodities.	Coastwise.		First stretch—St. Louis, Mo., to Cairo, Ill., 191 miles.		Second stretch—Cairo, Ill., to Memphis, Tenn., 227 miles.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	732	\$231,120	6,029	\$1,328,751	1,658	\$565,925
Vegetable food products.....	230,813	32,460,015	60,242	5,862,650	57,177	2,904,875
Other vegetable products, except fibers and wood.....	12,123	1,221,900			2	250
Textiles.....	17,893	5,811,440	2,096	457,600	4,849	2,482,100
Wood and paper.....	26,107	856,325	42,926	282,420	293,140	1,705,900
Nonmetallic minerals.....	754,243	13,645,545	758,869	983,959	514,343	1,271,759
Ores, metals, and manufactures of, except machinery and vehicles.....	20,132	4,121,600	76,616	2,207,060	89,947	3,539,760
Machinery and vehicles.....	2,367	457,159	1,411	1,312,400	2,503	800,360
Chemicals.....	51,040	2,769,903			3	1,080
Unclassified.....	81,160	24,348,000	69,963	13,598,582	84,810	16,962,000
Total.....	1,196,610	85,923,007	1,018,152	26,033,422	1,048,432	30,224,009

Passengers..... 1 719,097 69,757

Classes of commodities.	Third stretch—Memphis, Tenn., to Vicksburg, Miss., 375 miles.		Fourth stretch—Vicksburg, Miss., to New Orleans, La., 374 miles.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair.....	11,238	\$3,146,850	11,604	\$3,420,430	31,261	\$8,693,076
Vegetable food products.....	106,599	7,831,888	318,954	38,798,195	773,785	87,857,623
Other vegetable products, except fibers and wood.....	6,613	829,625	15,765	1,793,660	34,503	3,845,435
Textiles.....	22,111	14,397,400	34,847	16,074,740	81,796	39,223,280
Wood and paper.....	190,384	984,947	312,340	6,069,344	864,897	9,898,936
Nonmetallic minerals.....	405,929	3,760,731	2,024,243	27,257,924	4,457,627	46,919,918
Ores, metals, and manufactures of, except machinery and vehicles.....	88,279	3,745,075	53,755	7,171,900	328,729	20,785,395
Machinery and vehicles.....	4,587	1,075,070	6,072	1,138,729	16,940	4,783,718
Chemicals.....	29	7,090	51,752	2,917,437	102,824	5,695,510
Unclassified.....	101,994	20,429,300	185,412	44,455,575	523,339	119,783,457
Total.....	937,763	56,207,976	3,014,744	149,097,934	7,215,701	347,486,348
Passengers.....	1 477,155		1 267,349		1 1,533,358	

1 Includes 652,242 excursion.

2 Includes 357,272 excursion.

3 Includes 189,164 excursion.

4 Includes 1,198,678 excursion.

	Passengers.	Short tons.	Value.
General ferry.....	8,087,889	980,396	\$394,290,205
Car ferry.....	1,251,807	10,769,166	1,730,209,275
Cargoes in transit.....		294,667	47,162,396
Total.....	9,339,696	12,044,229	2,171,661,876

INDEX.

A.

	Page.
Absecon Creek, N. J.....	420
Absecon Inlet, N. J.....	418
Agate Bay Harbor, Minn.....	997
Alabama River, Ala.....	755
Alexandria Bay, N. Y.....	1193
Alexandria, Va.....	504
Alaska, commerce of.....	1372
Algoma Harbor, Wis.....	1043
Allegheny River, Pa.....	972
Pittsburgh Harbor.....	974
Alloway Creek, N. J.....	414
Alpena Harbor, Mich.....	1127
Altamaha River, Ga.....	651
Ambrose Channel, New York Harbor, N. Y.....	228
Amite River, La.....	810
Anacortes Harbor, Wash.....	1354
Anacostia River, D. C.....	503
Anahuac Channel, Tex.....	854
Anclote River, Fla.....	699
Apalachicola Bay and Harbor, Fla.:	
Channel to St. Andrews Bay.....	736
Harbor in bay.....	722
River, including the Cut-off, Lee Slough, and lower Chipola River.....	724
Apoon Mouth, Yukon River, Alaska.....	1370
Appomattox River, Va.....	549
Appoquinimink River, Del.....	428
Aquia Creek, Va.....	509
Aranas Bay and Pass, Tex.:	
Harbor Island.....	866
Channel to Corpus Christi (via Turtle Cove).....	866
Channel to Pass Cavallo.....	866
Channel to Victoria (on Guadalupe River).....	863
Pass.....	866
Arcadia Harbor, Mich.....	1083
Arkansas River, Ark. and Okla.....	906
Arthur Kill, N. Y. and N. J.....	356
Ashland Harbor, Wis.....	1007
Ashley River, S. C.....	625
Ashtabula Harbor, Ohio.....	1159
Astoria, Oreg.....	1289
Atchafalaya Bay ship channel.....	823
Atchafalaya River, La.....	822

B.

Back Bay of Biloxi, Miss., Biloxi Harbor.....	791
Baltimore, Md.:	
Engineering district.....	444
Harbor.....	444
Baraga Harbor, Mich.....	1015
Barataria Bay, La.....	811
Bar Harbor, Me.....	93
Barren River, Ky.....	989
Bartholomew Bayou, La. and Ark.....	893
Bastrop Bayou, Tex.....	861
Baudette Harbor and River, Minn.....	991

	Page.
Bay Ridge Channel, New York Harbor, N. Y.....	236
Bay River, N. C.....	572
Bayfield Harbor, Wis.....	1006
Bayou Sara, Ala.....	795
Bayside Channel, New York Harbor, N. Y.....	228
Beaufort Harbor and River, N. C.:	
Harbor.....	584
Waterway to Core Sound.....	586
Waterway to Jacksonville, N. C.....	589
Waterway to New River.....	589
Beaufort Inlet, N. C.:	
Inlet.....	593
Waterway to Norfolk, Va.....	557
Waterway to Pamlico Sound.....	568
Beaufort, S. C., waterway to St. Johns River, Fla.....	640
Beaumont, Tex.....	48, 877
Bellingham Bay and Harbor, Wash.....	1357
Berkeley Harbor, Calif.....	1254
Beverly Harbor, Mass.....	137
Big Sandy River, W. Va. and Ky., including Tug and Levisa Forks.....	984
Big Sunflower River, Miss.....	901, 904
Big Thoroughfare River, Md.....	496
Biloxi Harbor, Miss.....	791
Biscayne Bay, Fla. (Miami).....	681
Blackfish Bayou, Ark.....	913
Black Lake, Holland Harbor, Mich.....	1066
Black River, Ark. and Mo.....	910
Black River, Ark. and La.....	889
Black River, Lorain, Ohio.....	1153
Black River at Port Huron, Mich.....	1135
Black River, N. C.....	606
Black River, S. C.....	627
Black Rock Harbor and Channel, N. Y.....	1173
Black Rock Canal, N. Y.....	1178
Black Warrior River, Ala.....	779
Blackwater River, Fla.....	746
Blackwater River, Va.....	560
Blaine Harbor, Wash.....	1361
Block Island, R. I.:	
Harbor of Refuge.....	166
Great Salt Pond.....	168
Blood River, La.....	808
Boca Ceiga Bay, Fla.....	697
Boeuf River, La.....	892
Bogue Falia, La.....	806
Bogues Bay, Va.....	442
Bolinas Bay, Calif.....	1248
Boston, Mass.:	
Engineering district.....	92
Harbor.....	107
Chelsea Creek.....	123
Dorchester Bay.....	130
Fort Point Channel.....	125
Malden River.....	129
Mystic River.....	127
Neponset River.....	130
Weymouth Back River.....	133
Weymouth Fore River.....	131
Branford Harbor, Conn.....	181
Brazos Island Harbor, Tex.....	871
Brazos River Canal, Tex.....	861
Brazos River, Tex.:	
Old Washington to Waco.....	884
Velasco to Old Washington.....	868
Channel to Matagorda Bay.....	862
Mouth.....	862

	Page.
Bridgeport Harbor, Conn.....	187
Bristol Harbor, Conn.....	197
Broad Creek, Md.....	493
Broad Creek River, Del.....	483
Broadkill River, Del.....	438
Bronx River, N. Y.....	210
Browns Creek, N. Y.....	221
Brunswick Harbor, Ga.....	656
Buffalo Bayou, Tex., waterway to Houston.....	849
Buffalo, N. Y.:	
Engineering district.....	1146
Black Rock Channel and Tonawanda Harbor.....	1173
Buffalo Harbor.....	1168
Bulk freight at ports.....	81
Burlington Harbor, Vt.....	327
Buttermilk Channel, New York Harbor.....	297

C.

Calcasieu Pass and River, La.....	832
Calcasieu River to Sabine River, La.....	825
Calcite, Mich.....	1125
Caloosahatchee River, Fla.....	690
Calumet Harbor and River, Ill. and Ind.:	
Harbor (South Chicago Harbor).....	1095
River.....	1095, 1097
Cambridge Harbor, Md.....	477
Camden, N. J.....	401
Canals and connecting channels, summaries of commerce.....	55, 75, 78, 80
Canals:	
<i>See also</i> Waterways.	
Black Rock Canal, N. Y.....	1178
Cascades Canal, Columbia River.....	1283
Chesapeake and Delaware Canal, Del. and Md.....	427
Colbert Shoals Canal, Ala.....	949
Dalles-Celilo Canal, Oreg. and Wash.....	1285
Des Moines Rapids Canal, Mississippi River.....	923
Illinois and Mississippi Canal, Ill.....	924
Lake Washington Ship Canal, Wash.....	1343
Muscle Shoals Canal, Ala.....	951
New York State Barge Canal.....	1171, 1175, 1188
Sabine-Neches Canal.....	880
St. Clair Flats Canal, Mich.....	1137
St. Marys Falls Canal, Mich.....	1100
Sturgeon Bay and Lake Michigan Canal, Wis.....	1040
West Galveston Bay and Brazos River Canal, Tex.....	861
Willamette Falls Canal, Oreg.....	1307
Cannes, des, Bayou, La.....	829
Cape Charles City Harbor, Va.....	553
Cape Fear River, N. C.:	
Above Wilmington.....	601
At and below Wilmington.....	594, 598
Northeast Branch.....	604
Cape May, N. J. (Cold Spring Inlet, N. J.).....	418
Cape Vincent Harbor, N. Y.....	1189
Carquinez Strait, Calif.....	1242
Carrabelle Harbor, Fla.....	719
Carters Creek, Va.....	519
Cascades Canal, Columbia River, Oreg.....	1283
Casper Creek, Calif.....	1246
Cavallo Pass, Tex.:	
Channel to Aransas Pass.....	866
Channel to Port Lavaca.....	864
Cedar Bayou, Tex.....	858
Cedar Bay to Thoroughfare Bay, N. C.....	583
Celilo Falls, Columbia River.....	1280
Cement.....	84

	Page.
Champlain Lake, N. Y. and Vt.:	
Burlington Harbor, Vt.	327
Narrows.....	325
Plattsburg Harbor, N. Y.	329
Port Henry Harbor, N. Y.	330
Channel between Staten Island and Hoffman and Swinburne Islands.....	228
Channel north of Shooters Island between New York and New Jersey.....	364
Charleston, S. C.:	
Engineering district.....	610
Harbor (<i>see</i> Ashley River, S. C.).....	619
Waterway to Winyah Bay.....	617
Charlevoix Harbor, Mich.	1087
Charlotte Harbor, Fla.	694
Charlotte Harbor, N. Y.	1180
Chattahooche River, Ga., and Ala.	733
Chattanooga, Tenn., engineering district.....	943
Cheboygan Harbor, Mich.	1123
Cheesequake Creek, N. J.	376
Chefuncte River, La.	806
Chehalis River, Wash.	1314, 1368
Chelsea Creek, Boston Harbor, Mass.	123
Chesapeake and Delaware Canal.....	427
Chester River, Md.	460
Chester River, Pa.	423
Chicago, Ill.:	
Engineering district.....	1090
Harbor.....	1093
River.....	1093, 1095
Chickasaw Creek, Ala.	796
Chincoteague Inlet and Bay, Va.:	
Waterway on coast of Virginia.....	442
Waterway to Delaware Bay.....	440
Chipola River, Fla.:	
Lower river.....	724
Upper river.....	727
Chocolate Bayou, Tex.	860
Choctawhatchee Bay, Fla.	762
Choctawhatchee River, Fla. and Ala.	741
Choptank River, Md.	472
Christiana River (Wilmington Harbor), Del.	425
Cincinnati, Ohio:	
Second engineering district.....	982
Claiborne Harbor, Md.	465
Clatskanie River, Oreg.	1296
Clayton, N. Y.	1191
Clear Creek, Tex.	859
Clearwater Harbor, Fla. (channel to Tampa Bay).....	697
Cleveland Harbor, Ohio.....	1154
Clinch River, Tenn.	950
Clinton River, Mich.	1137
Coal.....	85
Coal, bituminous, rail rates.....	22
Coeur D'Alene Lake, Idaho.....	1369
Cohansey River, N. J.	415
Colbert Shoals Canal, Tennessee River, Ala.	949
Cold Spring Inlet, N. J.	418
Coldwater River, Miss.	900
Columbia River, Oreg. and Wash.:	
Cascades Canal.....	1283
Celilo Falls to Snake River, including tributaries.....	1280
Dalles-Celilo Canal.....	1285
Mouth.....	1289
Mouth to Willamette River.....	1289
Threemile Rapids.....	1285
Vancouver to The Dalles, Wash.	1286
Wenatchee, Wash., to Kettle Falls.....	1360

Commerce of the United States. (See index to Contents.)	Page.
Compton Creek, N. J.	380
Conecuh River, Ala.	748
Coney Island Channel, New York Harbor, N. Y.	226
Coney Island Creek, N. Y.	334
Congaree River, S. C.	617
Conneaut Harbor, Ohio	1161
Connecticut River, Mass. and Conn.:	
Below Hartford, Conn.	179
Contentnea Creek, N. C.	580
Cooper River (Creek), N. J.	407
Coosa River, Ga. and Ala.	759
Cooz Bay, Harbor and River, Oreg.:	
Entrance to bay and harbor.	1272
River.	1273
Copper.	85
Coquille River, Oreg.	1269
Core Sound, N. C., waterway to Beaufort Harbor.	586
Corney Bayou, La.	894
Cornucopia Harbor, Wis.	1004
Corpus Christi to Galveston, Tex., waterway:	
Aransas Pass-Corpus Christi Channel.	866
Brazos River-Matagorda Bay Channel.	862
Guadalupe River to Victoria, Tex.	863
Pass Cavallo-Aransas Pass Channel.	866
West Galveston Bay-Brazos River Canal.	861
Corsica River, Md.	462
Cos Cob Harbor, Conn.	200
Cotton.	86
Cowhead River, Ga.	640
Cowlitz River, Wash.	1302
Coyotte Hill Slough, Calif.	1253
Crescent City Harbor, Calif.	1241
Crescent Lake and Dunns Creek, Fla.	676
Crisfield Harbor, Md.	491
Crystal River, Fla.	700
Cumberland River, Ky. and Tenn.:	
Above Nashville.	935
Below Nashville.	932
Cumberland Sound, Ga. and Fla.	662
Waterway between Savannah and Fernandina.	662
Waterways to St. Johns River, Fla.	640
Current River, Ark. and Mo.	911
Cutchogue Harbor, N. Y.	341
Cypress Bayou, Tex. and La.	886

D.

Dalles-Celilo Canal, Oreg. and Wash.	1285
D'Arbonne Bayou, La.	894
Darien Harbor, Ga.	644
Deal Island, Md., Lower Thoroughfare at Wenona.	489
Deep Bay, N. C.	566
Delaware Bay and River, Pa., N. J., and Del.:	
Harbor of refuge in bay.	406
At Trenton.	383
Near Lewes, Del.	406
Philadelphia to the sea.	387
Philadelphia to Trenton.	383
Philadelphia and Camden Harbors.	401
Waterway to Chincoteague Bay.	440
Waterway to Rehoboth Bay.	439
Depere, Wis. (Green Bay Harbor).	1037
Des Cannes Bayou, La.	829
Des Moines Rapids Canal, Mississippi River.	923
Detroit, Mich.:	
Engineering district.	1100
Harbor.	1138

	Page.
Detroit River, Mich.....	1140
Dickinson Bayou, Tex.....	860
Districts, engineering.....	92
Dorchester Bay, Mass.....	130
Double Bayou, Tex.....	853
Duck Island Harbor, Conn., harbor of refuge.....	181
Duluth, Minn.:	
Duluth-Superior Harbor.....	999
Engineering district.....	991
Dunkirk Harbor, N. Y.....	1166
Dunns Creek and Crescent Lake, Fla.....	676
Duwamish River, Wash.:	
East and west waterways, Seattle Harbor.....	1330
Puget Sound and tributaries.....	1317

E.

East Bay Bayou, Tex.....	852
East Chester Creek, N. Y.....	207
East Pearl River, Miss.....	794
East River, N. Y.....	250
Echo Bay Harbor (<i>see</i> New Rochelle, N. Y.).....	204
Elizabeth River, N. J.....	365
Elk River, Md.....	458
Emerson Harbor, Mich.....	1022
Engineering districts.....	92
Erie Canal.....	1171, 1188
Erie Harbor, Pa.....	1163
Escambia Bay, Fla.....	764
Escambia River, Fla.....	748
Escanaba Harbor, Mich.....	1030
Estherville-Minim Creek, S. C.....	615
Eureka Slough, Calif.....	1244
Everett Harbor, Wash.....	1348

F.

Fairhaven Harbor, Mass.....	144
Fairport Harbor, Ohio.....	1157
Falia, Bogue, La.....	806
Fall River Harbor, Mass.....	147
Fancy Bluff Creek, Ga.....	646
Feather River, Calif.....	1268
Fernandina, Fla.:	
Harbor.....	662
Waterway to Savannah, Ga.....	640
Fertilizer.....	86
Fivemile River Harbor, Conn.....	193
Flathead Lake, Mont.....	1370
Flint River, Ga.....	729
Florence, Ala., engineering district.....	951
Flushing Bay, N. Y.....	211
Fore (Weymouth) River, Mass.....	131
Fort Point Channel, Boston Harbor, Mass.....	125
Fort Pond Bay, N. Y.....	341
Fox River, Wis.....	1038
Frankfort Harbor, Mich.....	1084
Franklin, La.:	
Waterway to Mermentau.....	824
Vermilion River to Schooner Bayou, La.....	826
Freeport Harbor, Tex.....	867
French Broad River, Tenn.....	960
Freshwater Slough, Calif.....	1243
Front River, Ga. (Sapelo Harbor).....	643

G.

	Page.
Galena River, Ill.....	923
Galveston Bay and Harbor, Tex.:	
Channel across Hanna Reef, Ladies Pass.....	852
Galveston Channel.....	49, 834
Galveston-Texas City Channel.....	844
Harbor entrance.....	834
Port Bolivar Channel.....	847
Waterway to Houston.....	849
West Bay.....	861
Galveston, Tex., engineering district.....	834
Gardiners Bay, N. Y.....	336
Gary, Ind.....	63
Gasconade River, Mo.....	931
Gedney Channel, New York Harbor.....	228
Georges River, Me.....	97
Georgetown Harbor, S. C.....	616
Gladstone Harbor, Mich.....	1028
Gloucester Harbor, Mass.....	135
Gowanus Creek Channel, New York Harbor, N. Y.....	246
Grain.....	87
Grand Haven Harbor, Mich.....	1068
Grand Marais, Mich., harbor of refuge.....	1020
Grand Marais, Minn.....	994
Grand Portage Harbor, Minn.....	996
Grand Rapids, Wabash River, Ind.....	988
Grand River, La.....	815
Grand River, Mich.....	1071
Gravesend Bay, N. Y.....	343
Grays Harbor, Wash.:	
Between Aberdeen and the entrance.....	1314
Entrance.....	1312
Grays River, Wash.....	1305
Great Lakes, commercial statistics, 1920.....	52
Great Pedee River, S. C.....	615
Great Salt Pond, Block Island, R. I.....	168
Great Sodus Bay, N. Y.....	1183
Great South Bay, N. Y.....	219
Green Bay Harbor, Wis.....	1035
Greenport Harbor, N. Y.....	338
Green River, Ky.....	989
Greenwich Harbor, Conn.....	196
Grossetete Bayou, La.....	817
Guadalupe River, Tex. (Victoria to Aransas Pass-Pass Cavallo Channel).....	863
Gulfport Harbor, Miss.....	789

H.

Hackensack River, N. J.....	354
Hales Bar Lock and Dam, Tennessee River.....	948
Hanna Reef, Ladies Pass, Tex.....	852
Harbor Beach, Mich., harbor of refuge.....	1131
Harbor Island Harbor, Tex.....	866
Harlem (Bronx) Kills, N. Y.....	274
Harlem River, N. Y.....	274
Havre de Grace, Md., Susquehanna River at.....	456
Hawaiian Islands:	
Hilo Harbor.....	1381
Honolulu Harbor.....	1372
Kahului Harbor.....	1378
Nawiliwili Harbor.....	1385
Hawaii Engineering District.....	1372
Hell Gate, East River, N. Y.....	250
Hempstead Harbor (north shore of Long Island), N. Y.....	213
Hennepin Canal (Illinois and Mississippi Canal), Ill.....	924
Hillsboro Bay, Fla.....	706
Hillsboro River, Fla.....	712
Hilo Harbor, Hawaii.....	1381
Hiwassee River, Tenn.....	951

	Page.
Holland Harbor, Mich.	1066
Holmes River, Fla.	743
Honolulu, Hawaii, district.	1372
Harbor.	1372
Hoquiam River, Wash.	1315
Horn Island Harbor and Pass, Miss.	787
Housatonic River, Conn.	186
Houston to Galveston ship channel, Tex.	51, 849
Hudson River, N. Y.	279
Above New York.	320
At New York.	279
Peekskill Harbor.	312
Rondout Harbor.	318
Saugerties Harbor.	316
Tarrytown Harbor.	311
Troy Lock and Dam.	323
Humboldt Bay and Harbor, Calif.	1239
Humtuliups River, Wash.	1369
Huntington Bay, N. Y.	331
Huntington Harbor, N. Y.	215
Huron Harbor, Ohio.	1150

I.

Illinois and Mississippi Canal, Ill.	924
Illinois River, Ill.	1090
Kampsville Lock.	1092
La Grange Lock.	1091
Indiana Harbor, Ind.	1097
Indian River, Fla.	680
Inland waterways. (<i>See Canals and waterways.</i>)	
Inside routes. (<i>See Canals and waterways.</i>)	
Iron and steel.	88

J.

Jacksonville, Fla.:	
Engineering district.	664
St. Johns River opposite.	664
Jacksonville, N. C.: Waterway to Beaufort.	589
Jamaica Bay, N. Y.	223
James River, Va.	546
Jefferson-Shreveport waterway, La. and Tex.	886
Johnsons Bayou, La.	882
Jordan River, Miss.	793
Judith Point, R. I., harbor of refuge.	166
Juneau, Alaska, engineering district.	1370

K.

Kahului Harbor, Hawaii.	1378
Kalamazoo River, Mich.	1065
Kampsville Lock and Dam, Illinois River, Ill.	1092
Kanawha River, W. Va.	979
Kansas City, Mo., engineering district.	928
Kennebec River, Me.	98
Kenosha Harbor, Wis.	1058
Kentucky River, Ky.	986
Keokuk (Des Moines Rapids) Canal and Dry Dock, Mississippi River.	923
Keweenaw Harbor, Wis.	1044
Keweenaw Canal, across Keweenaw Point, Mich., Keweenaw Bay-Lake Superior waterway.	1011
Keyport Harbor, N. J.	377
Keystone Lock, Bayou Teche, La.	820
Key West Harbor, Fla.	685
Kiamichi River, Okla.	885
Kill Van Kull, N. Y. and N. J., Staten Island-New Jersey channels.	304
Kootenai River, Idaho and Montana.	1370
Kissimmee River, Fla.	689

L.

	Page.
L'Anse Harbor, Mich.....	1015
Lafourche Bayou, La.....	812
La Grange Bayou, Fla.....	765
Lagrange Lock and Dam, Illinois River, Ill.....	1091
Lake Champlain, Narrows of.....	325
Lake Crescent and Dunns Creek, Fla.....	676
Lake Harney, Fla.....	674
Lake of the Woods, Minn. (Zippel Bay).....	1025
Lake Ponchartrain, La.....	804
Lakes, Great.....	52
Lake St. Clair, Mich., channels in.....	1137
Lake Traverse, Minn. and S. Dak.....	927
Lake Washington Ship Canal, Wash.....	1343
Lake Washington, Miss.....	903
L'Anguille River, Ark.....	913
La Trappe River, Md.....	471
Lavaca Bay, Tex., channel from Pass Cavallo to Port Lavaca.....	864
Leech River, Minn., including upper Mississippi River.....	926
Lee Slough, Apalachicola River, Fla.....	724
Leipsic River, Del.....	431
Levisa Fork, Big Sandy River, Ky.....	984
Lewis River, Wash.....	1300
Little Elk River, Md.....	458
Little Kanawha River, W. Va.....	976
Little Pigeon River, Tenn.....	950
Little River, Del.....	432
Little Sarasota Bay, Fla.....	696
Little Sodus Bay, N. Y.....	1185
Little Wicomico River, Va.....	522
Long Beach Harbor, Calif.....	1205
Lorain Harbor, Ohio.....	1153
Los Angeles, Calif.: Engineering district.....	1200
Harbor.....	1205
Louisville, Ky., engineering district.....	988
Lower Cedar Point, Md.....	506
Lower Chipola River, Fla.....	724
Lower Thoroughfare, Wenona, Deal Island, Md.....	489
Ludington Harbor, Mich.....	1077
Lumber.....	89
Lynn Harbor, Mass.....	139

M.

McClellanville, S. C., waterway to Charleston.....	617
Mackinac Harbor, Mich.....	1122
Macon Bayou, La.....	890
Main Ship Channel, New York Harbor, N. Y.....	228
Malden River, Mass.....	129
Mamaroneck Harbor, N. Y.....	203
Manatee River, Fla.....	715
Manchac Bayou, La.....	810
Manchac Pass, La.....	807
Manhasset Bay, N. Y.....	332
Manistee Harbor and River, Mich.....	1080
Manistique Harbor, Mich.....	1027
Manitowoc Harbor, Wis.....	1047
Manteo Bay, N. C.....	564
Mantua Creek, N. J.....	409
Marcus Hook, Pa.....	406
Mare Island Strait, Calif.....	1229
Marinette Harbor, Wis.....	1031
Marquette Bay, Mich., harbor of refuge.....	1017
Marquette Harbor, Mich.....	1018

	Page.
Matagorda Bay, Tex.:	
Channel from Pass Cavallo to Aransas Pass.....	866
Channel to Brazos River.....	862
Matawan Creek, N. J.....	379
Mattaponi River, Va.....	513
Mattituck Harbor, N. Y.....	218
Maumee Bay and River, Ohio (Toledo Harbor).....	1143
Maurice River, N. J.....	417
Meherrin River, N. C.....	560
Memphis, Tenn., engineering district.....	906
Memphis Harbor Tenn.....	1394, 1406
Menominee Harbor and River, Mich. and Wis.....	1031
Mermentau River, La.:	
Including tributaries.....	829
Waterway from Vermilion River to Schooner Bayou.....	825
Waterway to Franklin.....	824
Waterway to Sabine River.....	825
Merrimack River, Mass.....	106
Miami Harbor, Fla.....	681
Michigan City Harbor, Ind.....	1009
Michigan, Lake, Canal to Sturgeon Bay.....	1040
Millford Harbor, Conn.....	185
Mill Creek or River, New Haven Harbor, Conn.....	182
Milwaukee, Wis.:	
Engineering district.....	1027
Milwaukee Harbor.....	1053
Minim Creek-Estherville Canal, S. C.....	615
Minnesota River, Minn.....	927
Mispyllion River, Del.....	436
Mississippi River:	
St. Louis to Cairo.....	1397, 1413
Cairo to Memphis.....	1398, 1413
Memphis to Vicksburg.....	1399, 1413
Vicksburg to New Orleans.....	1402, 1413
Brainerd to Grand Rapids.....	925
Ferry traffic.....	1411
Keokuk, Iowa, Lock.....	923
Leech and Mississippi Rivers.....	926
St. Louis, Mo.....	1394, 1405
St. Paul to Minneapolis.....	925
Minneapolis to Missouri River.....	920
Missouri River to Ohio River.....	917
Memphis Harbor, Tenn.....	1394, 1406
Passes of Mississippi River.....	797
Waterway to Bayou Teche, La.....	818
Waterway to Sabine River.....	825
Illinois and Mississippi Canal.....	924
Moline Ill.....	923
Vicksburg, Miss.....	904, 1394, 1407
New Orleans, La.....	797, 1394, 1409
Reservoirs at headwaters.....	926
Twin City lock and dam.....	926
Mississippi River Commission.....	1394
Mississippi Sound, Miss. and Ala.:	
Gulfport-Ship Island Channel and Ship Island Pass.....	789
Horn Island, Harbor.....	787
Horn Island Pass, Miss.....	737
Channel to Mobile Bay.....	779
Missouri River:	
Kansas City to mouth.....	928
Kansas City to Sioux City.....	929
Sioux City to Fort Benton.....	930
Mobile, Ala., engineering district.....	767
Mobile Bay and Harbor, Ala.:	
Channel to Mississippi Sound.....	779
Harbor and Bar.....	43, 767

Mobile River, Ala., tributaries:	Page.
Bayou Sara.....	795
Chickasaw Creek.....	796
One Mile Creek.....	796
Three Mile Creek.....	796
Mokelumne River, Calif.....	1260
Monongahela River, W. Va. and Pa.....	968
Pittsburgh Harbor.....	974
Monroe Harbor, Mich.....	1143
Monterey Harbor, Calif.....	1238
Montezuma Creek, Calif.....	1250
Montezuma Slough, Calif.....	1251
Montgomery, Ala., engineering district.....	719
Morehead City Harbor, N. C.....	591
Morgan City, La.....	822
Morgantown, Md.....	506
Morristown Harbor, N. Y.....	1194
Munising Harbor, Mich.....	1019
Murderkill River, Del.....	434
Muscle Shoals Canal, Tennessee River, Ala.....	951
Muskegon Harbor and River, Mich.....	1072
Muskingum River, Ohio.....	982
Mystic River, Conn.....	173
Mystic River, Mass.....	127

N.

Nansemond River, Va.....	552
Nanticoke River, Del. and Md.....	481
Nantucket Harbor, Mass.....	142
Nantucket Sound, Mass. (Pollock Rip Channel).....	200
Napa River, Calif.....	1234
Napa Slough No. 2.....	1247
Narrows of Lake Champlain, N. Y. and Vt.....	325
Narrows in Santa Rosa Sound, Fla.....	743
Nasel River, Wash.....	1368
Nashville, Tenn., engineering district.....	932
Natalbany River, La.....	808
Nawiliwili Harbor, Hawaii.....	1385
Neches River, Tex.....	877
Neches-Sabine Canal.....	880
Nehalem Bar and Bay, Oreg.....	1279
Neponset River, Mass.....	130
Neuse River, N. C.....	574
Newark Bay, N. Y. and N. J. (see also Passaic River, N. J.).....	346
New Bedford Harbor, Mass.....	144
Newbegun Creek, N. C.....	561
Newburyport Harbor, Mass.....	105
New Haven Harbor, Conn.....	182
New London Harbor, Conn.....	174
New Orleans, La.:	
Engineering district.....	797
Harbor.....	44, 797
Newport Harbor, R. I.....	153
Newport News, Va., channels to.....	538
New River, N. C., waterways to Swansboro and Beaufort.....	589
New Rochelle, N. Y. (see Echo Bay Harbor).....	206
Newtown Creek, N. Y.....	268
New Whatcom (Bellingham) Harbor, Wash.....	1357
New York Barge Canal.....	1171, 1175, 1188
New York Bay and Harbor, N. Y.....	228
Ambrose Channel.....	228
Arthur Kill.....	356
Bay Ridge Channel.....	236
Bayside Channel.....	228
Bronx River.....	210
Buttermilk Channel.....	297

New York Bay and Harbor, N. Y.—Continued.		Page.
Coney Island Channel.....		226
East Chester Creek.....		207
East River.....		250
Flushing Bay.....		211
Gedney Channel.....		228
Gowanus Creek Channel.....		246
Harlem River.....		274
Hell Gate, East River.....		250
Hudson River Channel.....		279
Kill Van Kull.....		304
Main Ship Channel.....		228
Narrows to the Sea.....		228
New Jersey-Staten Island Channels.....		356
Newton Creek, N. Y.....		268
North (Hudson) River.....		279
Raritan Bay, N. J.....		367
Raritan River, N. J.....		370
Red Hook Channel.....		236
Shooters Island Channel.....		304
Spuyten Duyvil Creek.....		274
Staten Island-New Jersey Channels.....		304
Staten Island Sound.....		356
Wallabout Channel.....		264
New York engineering districts:		
First.....		201
Second.....		346
Nezpique Bayou, La.....		829
Niagara River, N. Y.....		1177
Black Rock Channel and Tonawanda Harbor.....		1173
Buffalo Harbor.....		1168
Nome Harbor, Alaska.....		1371
Nooksak River, Wash., Puget Sound and tributaries.....		1317
Norfolk Harbor, Va.:		
Main channel of Elizabeth River, and portions of Southern, Eastern, and Western Branches.....		523
Channels to Newport News.....		538
Thimble Shoal Channel.....		538
Waterway to Beaufort Inlet.....		557
Waterway to sounds of North Carolina (to Pamlico Sound) via Pasquotank River.....		555
Norfolk, Va., engineering district.....		523
North Carolina Sounds, waterway to Norfolk, Va.....		555
Northeast River, N. C.....		604
North (Hudson) River, N. Y.....		279
Norwalk Harbor, Conn.....		191
Noyo River, Calif.....		1245

O.

Oak Bay to Port Townsend Bay, Wash., waterway.....	1319
Oakland Harbor, Calif.....	1225
Occoquan Creek, Va.....	507
Ocmulgee River, Ga.....	654
Oconee River, Ga.....	653
Oconto Harbor, Wis.....	1034
Ogdensburg Harbor, N. Y.....	1196
Ohio River.....	956
Pittsburgh Harbor, Pa.....	974
Oklawaha River, Fla.....	678
Oldmans Creek, N. J.....	412
Olympia Harbor, Wash.....	1322
Onancock River, Va.....	554
One Mile Creek, Ala.....	796
Ontonagon Harbor and River, Mich.....	1010
Orange River, Fla.....	693
Orange, Tex.....	49, 881

	Page.
Orient Harbor, N. Y.....	342
Osage River, Mo.....	930
Oswego Harbor, N. Y.....	1186
Otter Creek, Vt.....	344
Ouachita River, Ark. and La.....	889, 895
Oyster Bay, N. Y.....	333
Oyster Creek, Tex.....	861

P.

Package freight at ports.....	81
Pagan River, Va.....	550
Palatka to Jacksonville, Fla.....	671
Palatka to Lake Harney, Fla.....	674
Pamlico River, N. C.....	568
Pamlico Sound, N. C.:	
Waterway to Beaufort Inlet.....	568
Waterway to Norfolk, Va.....	555
Pamunkey River, Va.....	515
Panama Canal, vessel traffic.....	17
Pascagoula Harbor, Miss.....	787
Pascagoula River, Miss.....	792
Passaic River, N. J. (<i>see also</i> Newark Bay, N. J.).....	350
Pass Cavallo, Tex.:	
Channel to Aransas Pass.....	866
Channel to Port Lavaca.....	864
Pass Manchac, La.....	807
Passengers carried by water.....	82
Patapsco River, Md. (Baltimore Harbor and Channels).....	444
Pawcatuck River, R. I. and Conn.....	170
Pawtucket (Seekonk) River, R. I.....	163
Pearl River, Miss.....	795
Peconic Bay, N. Y.....	335
Peedee, Great, River, S. C.....	615
Peekskill Harbor, N. Y.....	312
Pend O'Reille River, Wash.....	1369
Pend O'Reille Lake, Idaho.....	1369
Penobscot River, Me.....	95
Pensacola Harbor, Fla.....	42, 750
Pentwater Harbor, Mich.....	1076
Pepperells Cove, Me. (Portsmouth, N. H.).....	104
Pequaming Harbor, Mich.....	1016
Perdido Bay, Fla.....	767
Petaluma Creek, Calif.....	1236
Petersburg Harbor, Fla.....	716
Petoskey Harbor, Mich.....	1088
Petroleum.....	90
Philadelphia, Pa.:	
Engineering district.....	383
Delaware River at.....	383, 387
Schuylkill River.....	402
Pigeon Bayou, La.....	815
Pittsburgh, Pa.:	
Engineering district.....	968
Harbor.....	974
Plaquemine Bayou, La.....	815, 819
Plaquemine Brule Bayou, La.....	831
Plattsburg Harbor, N. Y.....	329
Plummer Creek, Calif.....	1251
Plummer Slough, Calif.....	1252
Plymouth Harbor, Mass.....	141
Pocomoke River, Md.....	494
Point Judith, harbor of refuge.....	166
Pollock Rip Channel, Mass.....	200
Ponchatoula River, La.....	808
Pontchartrain Lake, La.....	804
Poropotank Creek, Va.....	521

	Page.
Portage Lake, Manistee County, Mich., harbor of refuge.....	1081
Port Aransas, Tex.....	869
Port Angeles, Wash.....	1363
Port Arthur, Tex.....	47, 874
Port Arthur Canal, Tex.....	874
Port Bolivar, Tex.....	847
Port Chester Harbor, N. Y.....	201
Port Clinton Harbor, Ohio.....	1146
Port Gamble Harbor, Wash.....	1320
Port Henry Harbor, N. Y.....	330
Port Huron, Mich., Black River and St. Clair River at.....	1135
Port Jefferson Harbor, N. Y.....	216
Portland Harbor, Me.....	99
Portland, Oreg.:	
First engineering district.....	1269
Second engineering district.....	1289
Columbia and Willamette Rivers.....	1289
Portland, Oreg.....	1289
Port Lavaca, Tex., channel to Pass Cavallo.....	864
Port Ludington, Wash.....	1367
Porto Rico:	
Engineering district.....	1386
San Juan Harbor.....	1386
Port Tampa, Fla.....	702
Port Townsend Harbor, Wash.....	1365
Ports, summary of commerce:	
Atlantic coast.....	52, 54, 56, 65, 79
Gulf coast.....	54, 59, 65, 79
Coal and coke.....	39
Cotton.....	41
Fruits and nuts.....	33, 52
Grain.....	34
Logs and lumber.....	37
Petroleum and products.....	35
Rice and products.....	40
Sugar, molasses, etc.....	36
Pacific coast.....	52, 54, 60, 65, 79
Great Lakes.....	52, 54, 62, 65, 79
Package freight.....	81
Port Townsend Bay to Oak Bay, Wash., waterway.....	1319
Port Washington Harbor, Wis.....	1051
Port Wing Harbor, Wis.....	1002
Portsmouth Harbor, N. H.....	104
Potomac River, Md., Va., and D. C.:	
At Washington, D. C.....	500
At Alexandria, Va.....	504
At Lower Cedar Point, Md.....	506
Priest River, Idaho.....	1369
Providence Harbor and River, R. I.....	157
Providence, R. I., engineering district.....	142
Puget Sound, Wash.....	1317
Pulpwood.....	90
Puyallup River, Wash.:	
Puget Sound and tributaries.....	1317
Tacoma Harbor.....	1324
Q.	
Queenstown Harbor, Md.....	463
Queue de Tortue Bayou, La.....	830
Quinnipiac River, New Haven, Conn.....	182
R.	
Raccoon Creek, N. J.....	410
Racine Harbor, Wis.....	1067
Rail rates on bituminous coal.....	22
Rappahannock River, Va.....	510

	Page.
Raritan Bay, N. J.....	367
Raritan River, N. J.....	370
Red Hook Channel, New York Harbor, N. Y.....	236
Red Lake and Red Lake River, Minn.....	927
Red River, La., Ark., Tex., and Okla.:	
Above Fulton, Ark., to mouth of Washita River.....	885
Below Fulton, Ark.....	888
Jefferson-Shreveport waterway.....	886
Red River of the North, Minn. and N. Dak.....	927
Redwood Creek, Calif.....	1223
Rehoboth Bay, Del., waterway to Delaware Bay.....	439
Richmond Harbor, Calif.....	1226
Richmond Outer Harbor, Calif.....	1228
Richmond Harbor, Va. (James River).....	546, 549
Rivers, summary of commerce:	
Atlantic coast.....	52, 55, 67, 78, 80
Gulf of Mexico.....	55, 70, 78, 80
Mississippi River and tributaries.....	53, 55, 78, 80
Pacific coast.....	53, 55, 73, 80
Interior.....	53, 55, 75, 80
Roanoke River, N. C.....	560
Rockland Harbor, Me.....	96
Rogers City Harbor, Mich.....	1125
Rondout Harbor, N. Y.....	318
Rouge River, Mich.....	1141
Rough River, Ky.....	991

S.

Sabine-Neches Canal.....	880
Sabine River, Tex.....	881
Sabine-Neches Canal.....	880
Sabine Pass Harbor.....	468, 72
Waterway to Calcasieu River, La.....	825
Saco River, Me.....	103
Sacramento River, Calif.....	1262
Sag Harbor, N. Y.....	337
Saginaw River, Mich.....	1129
St. Andrews Bay, Fla., channel to Apalachicola River.....	736
St. Clair Flats Canal, Lake, and River, Mich.:	
Channels in Lake St. Clair.....	1137
River.....	1137
At Port Huron.....	1136
St. Croix River, Me.....	92
St. Croix River, Wis. and Minn.....	926
St. Francis River, Ark.....	913
St. George Sound, Fla. (Carrabelle Harbor).....	719
St. Joe River, Idaho.....	1369
St. Johns River, Fla.:	
At Jacksonville.....	664
Between Jacksonville and Palatka, including Orange Mills Flats and Deep Creek.....	671
Jacksonville to the ocean.....	664
Palatka to Lake Harney.....	674
St. Andrews Bay.....	738
Waterway to Beaufort, S. C.....	640
Waterway to Cumberland Sound.....	662
St. Jones River, Del.....	433
St. Joseph Bay, Fla.....	737
St. Joseph Harbor and River, Mich.:	
Harbor.....	1061
River.....	1062
St. Louis, Mo., engineering district.....	917
St. Lucie Inlet, Fla.....	681
St. Marks River, Fla.....	766
St. Marys River and St. Marys Falls Canal, Mich.....	1100
St. Marys River, Ga. and Fla.....	649

	Page.
St. Paul, Minn., engineering district.....	925
St. Petersburg Harbor, Fla.....	716
Salem Harbor, Mass.....	138
Salem River, N. J.....	413
Saline River, Ark.....	893
Sandbeach (Harbor Beach), Mich., harbor of refuge.....	1131
San Diego Harbor, Calif.....	1200
Sandusky Harbor, Ohio.....	1148
San Francisco Bay and Harbor, Calif.:	
Engineering districts—	
First.....	1218
Second.....	1255
Harbor.....	1218
Oakland Harbor.....	1225
San Joaquin River, Calif.....	1255
Stockton and Mormon Channels.....	1255
San Juan Harbor, P. R.....	1386
San Luis Obispo Harbor, Calif.....	1216
San Pablo Bay, Calif.....	1229
San Pedro Bay and Harbor, Calif.....	1205
Santa Rosa Sound, Fla.....	743
Santee River, S. C.....	615
Sapelo Bar and Harbor, Ga.....	643
Sarasota Bay, Fla.....	696
Satilla River, Ga.....	647
Saugatuck Harbor, Mich.....	1065
Saugatuck River, Conn.....	190
Saugerties Harbor, N. Y.....	316
Sault Ste. Marie, Mich.....	1121
Savannah, Ga., engineering district.....	629
Savannah Harbor and River, Ga.:	
Harbor.....	629
River above Augusta.....	638
River at Augusta.....	638
River below Augusta.....	637
Waterway to Beaufort, S. C.....	640
Waterway to Fernandina, Fla.....	662
Schooner Bayou, La.....	826
Schooner Bayou to Vermilion River, La.....	825
Schuylkill River, Pa.....	402
Scuppernong River, N. C.....	562
Seattle Harbor, Wash.....	1330
Seattle, Wash., engineering district.....	1310
Seekonk (Pawtucket) River, R. I.....	163
Shallotte River, N. C.....	608
Shallowbag Bay, N. C.....	564
Sheboygan Harbor, Wis.....	1050
Sheepshead Bay, N. Y.....	226
Shelldrake Harbor, Mich.....	1021
Shelter Island Sound, N. Y.....	337
Ship Island Harbor and Pass, Miss. (Gulfport).....	789
Shoal Harbor, N. J.....	380
Shooters Island Channel, N. Y. and N. J.....	364
Shreveport, La., to Jefferson, Tex., waterway.....	886
Shrewsbury River, N. J.....	381
Siuslaw River, Oreg.....	1275
Skagit River, Wash.....	1351
Skamokawa Creek, Wash.....	1304
Skykomish River, Wash., Puget Sound and tributaries.....	1317
Slaughter Creek, Md.....	479
Smiths Creek, N. C.....	577
Smyrna River, Del.....	425
Snake River, Idaho, Oreg., and Wash.....	1281
Snohomish River, Wash.....	1346
Puget Sound and tributaries.....	1317
Sonoma Creek, Calif.....	1247

	Page.
Snoqualmie River, Wash. (Puget Sound and tributaries).....	1317
South Bay, Calif.....	1249
South Chicago Harbor, Ill.....	1093, 1095
South Haven Harbor, Mich.....	1063
South Pass, Mississippi River.....	797
Southold Bay, N. Y.....	340
Southport Harbor, Conn.....	190
South River, N. C.....	570
South River, N. J.....	374
Southwest Pass, Mississippi River.....	797
Stamford Harbor, Conn.....	194
Staten Island-New Jersey Channels.....	364
Staten Island Sound (Arthur Kill), N. Y. and N. J.....	356
Steamboat Slough, Calif.....	1247
Steele Bayou, Miss.....	903
Stilaguamish River, Wash. (Puget Sound and tributaries).....	1317
Stonington Harbor, Conn.....	172
Sturgeon Bay and Lake Michigan Canal, Wis.....	1040
Sugar.....	91
Suisun Bay Channel, Calif.....	1232
Suisun Creek or Channel, Calif.....	1234
Sulphur River, Ark. and Tex.....	886
Sunflower River, Miss. (Big Sunflower River).....	901, 904
Superior Bay and Harbor, Wis.....	999
Susquehanna River, Pa. and Md.....	456
Suwannee River, Fla.....	702
Swan Quarter Bay to Deep Bay, N. C., waterway.....	566
Swift Creek, N. C.....	578
Swinomish Slough, Wash.....	1352

T.

Table of contents.....	5
Tacoma Harbor, Wash.....	1324
Tallahatchie River, Miss.....	900
Tampa Bay and Harbor, Fla.:	
Bay.....	702
Channel to Clearwater Harbor.....	697
Hillsboro Bay and River.....	706, 712
Tangier Channel, Va.....	498
Tar River, N. C.....	568
Tarrytown Harbor, N. Y.....	311
Taunton River, Mass.....	151
Tchula Lake, Miss.....	899
Teche Bayou, La.....	818
Keystone Lock.....	820
Waterway from Franklin to Mermentau.....	824
Waterway from Vermilion River to Schooner Bayou.....	826
Waterway to Mississippi River.....	823
Tennessee River:	
Above Chattanooga.....	943
Chattanooga to Riverton.....	944
Florence to Riverton.....	947
Below Riverton.....	941
Colbert Shoals Canal.....	949
Hales Bar Lock.....	948
Muscle Shoals Canal.....	951
Tensas River, La.....	890
Terrebonne Bayou, La.....	814
Texas City Harbor, Tex.....	844
Thames River, Conn.....	177
New London Harbor.....	174
Thimble Shoal, Chesapeake Bay, Va.....	538
Thomaston Harbor, Me.....	97
Thoroughfare Bay to Cedar Bay, N. C.....	583
Three Mile Creek, Ala.....	796
Thunder Bay Harbor and River, Mich.....	1127

	Page.
Tickfaw River, La., including tributaries.....	808
Tilghman Island Harbor, Md.....	466
Tillamook Bay and Bar, Oreg.....	1278
Tiverton Harbor, Conn.....	198
Tobacco.....	91
Toledo Harber, Ohio.....	1143
Tombigbee River, Ala. and Miss.: Below Demopolis, Ala.....	782
Demopolis, Ala., to Walkers Bridge, Miss.....	785
Toms River, N. J.....	422
Tonawanda Harbor, N. Y.....	1173
Traverse City Harbor, Mich.....	1086
Traverse Lake, Minn. and S. Dak.....	927
Tred Avon River, Md.....	468
Trent River, N. C.....	581
Trenton, N. J.....	383
Trinity River, Tex.....	855, 883, 884
Troy Lock and Dam, Hudson River, N. Y.....	323
Tuckahoe River, Md.....	474
Tuckerton Creek, N. J.....	421
Tug Fork, Big Sandy River, W. Va. and Ky.....	984
Turtle Bayou, Tex.....	857
Turtle Cove, Tex., waterway via.....	866
Twitch Cove and Big Thoroughfare River, Md.....	496
Two Rivers Harbor, Wis.....	1046
Tyaskin (Wetipquin) Creek, Md.....	485

U.

Union Lake, Wash., waterway via.....	1343
Upper Bay, New York Harbor, N. Y.....	228
Upper Chipola River, Fla.....	727
Upper White River, Ark.....	915
Urbanna Creek, Va.....	511

V.

Vancouver, Wash.....	1289
Vancouver to the Dalles, Wash.....	1286
Velasco to Old Washington, Tex.....	868
Vermilion Bayou, La., channel, bay, and passes.....	827
Vermilion Harbor, Ohio.....	1152
Vicksburg, Miss.: Engineering district.....	888
Harbor (<i>see also</i> Yazoo River at mouth).....	904
Victoria, Tex., channel to Aransas Pass.....	863
Victoria, Tex., to Guadalupe River.....	863
Virginia Coast Waterway.....	442

W.

Wabash River, Ind. and Ill.....	988
Waccamaw River, N. C. and S. C.....	613
Waddington, N. Y.....	1199
Wallabout Channel, N. Y.....	264
Wappinger Creek, N. Y.....	315
Wappoo Cut, S. C.....	625
Warrior River, Ala.....	779
Warroad Harbor and River, Minn.....	1023
Warwick River, Md.....	476
Washburn Harbor, Wis.....	1006
Washington Bayou and Lake, Miss.....	903
Washington, D. C.: Anacostia River at.....	503
Engineering district.....	500
Potomac River at.....	500
Washington Lake, Wash., waterway to Puget Sound.....	1343

Waterways:*See also Canals.*

Beaufort, N. C.—	Page.
Waterway to Norfolk.....	557
Waterway to New River.....	589
Beaufort, S. C., to St. Johns River, Fla.....	640
Beaufort to Jacksonville, N. C.....	589
Calcasieu River to Sabine River, La.....	825
Charleston to Winyah Bay, S. C.....	617
Chesapeake Bay to Delaware River, Del. and Md. (Chesapeake and Delaware Canal).....	427
Clearwater Bay to Boca Ceiga Bay, Fla.....	697
Core Sound to Beaufort Harbor, N. C.....	586
Delaware Bay, Del.—	
Waterway to Chincoteague Bay, Va.....	440
Waterway to Rehoboth Bay, Del.....	439
Galveston to Corpus Christi.....	866
Galveston to Houston, Tex.....	849
Jefferson, Tex., to Shreveport, La.....	886
Keweenaw Bay to Lake Superior, Mich.....	1011
Mississippi River to Bayou Teche, La.....	823
Mississippi River to Sabine River.....	825
Franklin, La., to Mermentau River.....	824
Mermentau River to Sabine River, La.....	825
Vermilion River to Schooner Bayou, La.....	826
New River, N. C., to Swansboro and Beaufort.....	589
Norfolk, Va., to Beaufort Inlet, N. C.....	557
Norfolk, Va., to sounds of North Carolina.....	555
Pamlico Sound, N. C., to Beaufort Inlet.....	557
Port Townsend Bay to Oak Bay, Wash.....	1319
Puget Sound to Lake Washington.....	1343
Savannah, Ga., to Beaufort, S. C.....	640
Savannah, Ga., to Fernandina, Fla.....	662
Swan Quarter Bay to Deep Bay, N. C.....	566
Thoroughfare Bay to Cedar Bay, N. C.....	583
Virginia coast waterway.....	442
Waukegan Harbor, Ill.....	1060
Wenona, Deals Island, Md. (lower thoroughfare at).....	489
Westchester Creek, N. Y.....	208
West Galveston Bay and Brazos River Canal, Tex.....	861
Westport Harbor, Conn.....	190
West River, Conn.....	182
Wetipquin (Tyaskin) Creek, Md.....	485
Weymouth Back River, Mass.....	133
Weymouth Fore River, Mass.....	131
Whatcom (Bellingham) Harbor, Wash.....	1357
Wheeling, W. Va., engineering district.....	976
White Lake Harbor, Mich.....	1074
White River, Ark.....	908
Wicomico River, Md.....	487
Willamette River, Oreg.....	1289
Above Portland.....	1298
At the falls.....	1307
Below Portland.....	1289
Willapa Harbor and River, Wash.....	1310
Wilmington, Calif., inner harbor.....	1205
Wilmington, Del., engineering district.....	407
Wilmington Harbor, Del.....	425
Wilmington, N. C.:.....	
Engineering district.....	562
Harbor.....	598
Winyah Bay, S. C., waterway to Charleston.....	610
Wishkah River, Wash.....	1368
Withlacoochee River, Fla.....	701
Wolf River, Miss.....	793
Woodbridge Creek, N. J.....	366
Woodbury Creek, N. J.....	408

	Page.
Y.	
Yamhill River, Oreg.....	1298, 1309
Yaquina Bay, Harbor, and River, Oreg.:	
Bay and harbor.....	1277
River.....	1275
Yazoo River, Miss.:	
Above mouth.....	897
At mouth, including Vicksburg Harbor.....	904
Youghiogheny River, Pa.....	975
Yukon River, Alaska (Apoon mouth).....	1370
Z.	
Zippel Bay, Minn.....	1025



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